4/19/88 S6270-1

Ohio Labor Market Information Review

February 1988

Summary. The seasonally adjusted unemployment rate in Ohio was 6.4 percent in February, about the same as the January rate of 6.5 percent. The U.S. unemployment rate was 5.8 percent in January compared to 5.7 percent in February. Total employment in Ohio rose 30,000, to reach a record high of 5,013,000. There were 342,000 jobless Ohioans in February, down 5,000 from January. Seasonally adjusted nonagricultural wage and salary employment in Ohio increased 12,000 from January, to 4,666,000 in February. (See Page 3.)

Factory Employment. Ohio's manufacturing employment, at 1,104,000 in February, declined slightly from January. The decrease occurred in nondurable-goods employment, down from 366,000 to 365,000 over the month. Employment in durable goods was unchanged at 739,000.

Nonmanufacturing. Nonmanufacturing employment rose 13,000 from January, to 3,562,000 in February. The largest increases were in retail trade (+5,000), services (+4,000), and government (+3,000). Employment in construction was up slightly. All other divisions were unchanged except transportation and public utilities, which was down 1,000.

Over the Year. Total employment in Ohio increased 163,000 between February 1987 and February 1988. Unemployment dropped by 103,000 during the period, lowering the unemployment rate from 8.4 percent to 6.4 percent. The national rate dropped from 6.6 percent to 5.7 percent. Nonfarm payroll employment was up 117,000 from February 1987. Services gained 43,000 jobs, while retail trade increased 27,000. Construction employment, up 18,000, also showed strong improvement. All other nonmanufacturing industries had small-to-moderate gains except mining, which dropped 1,000. An increase of 9,000 in nondurable-goods employment was partially offset by losses in durable-goods industries, raising manufacturing employment 5,000 from February 1987.

Factory Hours and Earnings. Production workers in Ohio manufacturing had average weekly earnings of $504.90 in February, down $2.71 from January. Their average workweek was reduced .3 hours, to 42.5 hours. Earnings were down in nearly all nondurable-goods industries. The largest decreases occurred in chemicals, food and kindred products, and paper and allied products. In durable-goods industries, increased earnings in metal forgings and stampings were more than offset by losses in motor vehicles and equipment and iron and steel foundries.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 56,872 in February, down 35.3 percent from January, and down 5.3 percent from February 1987. Total benefits paid rose 9.1 percent, to $73.4 million. The average benefit check of $156.82 was $3.34 higher. The average weekly number of benefit recipients increased 17.4 percent, to 119,232. There were 197,625 active employer accounts at the end of February.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor Grace Kilbane, Acting Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 38,003 new job applicants in February, down 6.4 percent from January, and down 10.8 percent from February 1987. The number of job openings received, at 9,454, was up 12.6 percent from January. The Employment Services Division made 20,640 job referrals and 4,802 placements.

Bank on OBES

Are you having difficulty locating the workers you need? You might be able to solve this problem by putting your job openings in the National Job Bank System through the Ohio Bureau of Employment Services.

A few facts about the National Job Bank System:

* It is part of the largest computerized network of job openings in the United States.
* It operates on three levels to fill your need for workers; locally, statewide, and interstate-wide.
* It can provide national exposure of your job order without cost to you.

For further information, contact your nearest OBES office.

In This Issue

Summary 1-2
Canton MSA & Federal Budget Cutbacks 3-4
Seasonally Adjusted Series
- Current Data 5
- Historical Data 6
- Graphs 7

Seasonally Unadjusted Series
- Historical Data 8-11
- Current Data 12-15

Metropolitan Area Statistics 16-47
Technical Notes 48
Employment Security Activities 49
Unemployment Insurance Activities 49

Federal Budget Cuts Eliminate Employment Data For Canton MSA

The Ohio Bureau of Employment Services has been informed by the U. S. Bureau of Labor Statistics that, because of funding cuts contained in the federal budget for Fiscal Year 1988 passed by Congress last December, OBES will no longer be funded to produce the nonagricultural wage and salary data for the Canton Metropolitan Statistical Area. These data include the monthly and annual employment, hours and earnings estimates by industry which appear beginning on page 20 of this issue of the *Labor Market Review*.

Because the nonagricultural wage and salary employment data are used in preparing labor force and total employment estimates for metropolitan areas, the Bureau of Labor Statistics has also dropped the Canton MSA from its national labor force data base beginning with data for January 1988.

The Canton MSA is one of 22 metropolitan areas affected by these budget cuts (see table on next page), and is by far the largest area affected. The Canton area includes Stark and Carroll counties, and had 148,900 nonfarm payroll jobs in 1986, placing it twenty-first among the fifty-eight metropolitan areas in the Great Lakes region.

The Bureau of Employment Services plans to continue the production of the Canton area data through the remainder of this federal fiscal year, that is, through September 1988. We are able to do this because of funding available from another federal grant which received a one-time increase for this year. We have no assurance that this alternative funding will be available beyond September. Despite our plan to continue to produce the data, the Bureau of Labor Statistics has informed us that they will not validate these estimates nor include them in their nationally published and distributed data base. The Canton MSA and 21 other MSA's will therefore disappear from major data sources used in economic analysis, site location, market research, and for other important purposes.

If funding is not available for federal Fiscal Year 1989, this valuable data for one of Ohio's major metropolitan areas will be permanently lost. Further cuts could result in loss of similar data for the Youngstown-Warren area and other areas.

Additional information about the impact of this funding cut may be obtained by contacting the Labor Market Information Division using the address or telephone number shown on the back of this issue of the *Labor Market Review*.

Dixie Sommers
Director
Labor Market Information Division

Metropolitan Areas Affected By CES Budget Cuts

MSA	State	1986 CES Average Employment	Rank
Canton	***Ohio***	***190.3***	***1***
Lakeland-Winter Haven	Florida	169.6	2
Salinas-Seaside-Monterey	California	151.2	3
Gainesville	Florida	100.0	4
Tyler	Texas	75.8	5
Lake Charles	Louisiana	75.7	6
New Britain	Connecticut	74.5	7
Jackson	Michigan	61.5	8
Odessa	Texas	59.8	9
State College	Pennsylvania	57.4	10
Vineland-Millville-Bridgeton	New Jersey	56.8	11
Albany	Georgia	56.4	13
Iowa City	Iowa	56.4	12
Glens Falls	New York	52.0	14
Sheboygan	Wisconsin	51.9	15
Kokomo	Indiana	50.2	16
Sharon	Pennsylvania	49.3	17
Kankakee	Illinois	44.5	18
St. Joseph	Missouri	41.3	19
Pittsfield	Massachusetts	40.9	20
Victoria	Texas	38.2	21
Rapid City	South Dakota	37.9	22

Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Feb. 1988	Jan. 1988	Feb. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data							
Civilian Labor Force	5,355	5,330	5,295	25	60	0.5	1.1
Employment	5,013	4,983	4,850	30	163	0.6	3.4
Unemployment	342	347	445	-5	-103	-1.4	-23.1
Unemployment Rate	6.4	6.5	8.4				
Employer Survey Data							
Total	4,666	4,654	4,549	12	117	0.3	2.6
Manufacturing	1,104	1,104	1,099	-1	5	-0.1	0.5
Durable Goods	739	739	742	0	-3	0.0	-0.5
Nondurable Goods	365	366	357	-1	8	-0.2	2.4
Nonmanufacturing	3,562	3,550	3,451	13	112	0.4	3.2
Mining	20	20	22	0	-1	0.4	-6.4
Construction	192	191	174	1	18	0.6	10.4
Transportation and Public Utilities	207	208	206	-1	1	-0.3	0.5
Wholesale Trade	254	253	246	0	8	0.0	3.2
Retail Trade	869	864	842	5	27	0.6	3.2
Finance, Insurance and Real Estate	249	248	240	0	9	0.2	3.8
Services	1,078	1,075	1,035	4	43	0.4	4.2
Government	692	689	686	3	7	0.4	1.0
Goods Producing Industries	1,316	1,316	1,295	1	22	0.0	1.7
Service Producing Industries	3,350	3,338	3,255	11	95	0.3	2.9

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded figures. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1986
5,313	4,864	449	8.5	7.2	February
5,305	4,900	405	7.6	7.1	March
5,243	4,816	427	8.1	7.1	April
5,180	4,773	407	7.9	7.2	May
5,197	4,746	451	8.7	7.1	June
5,200	4,777	423	8.1	7.0	July
5,194	4,773	421	8.1	6.9	August
5,174	4,737	437	8.4	7.0	September
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

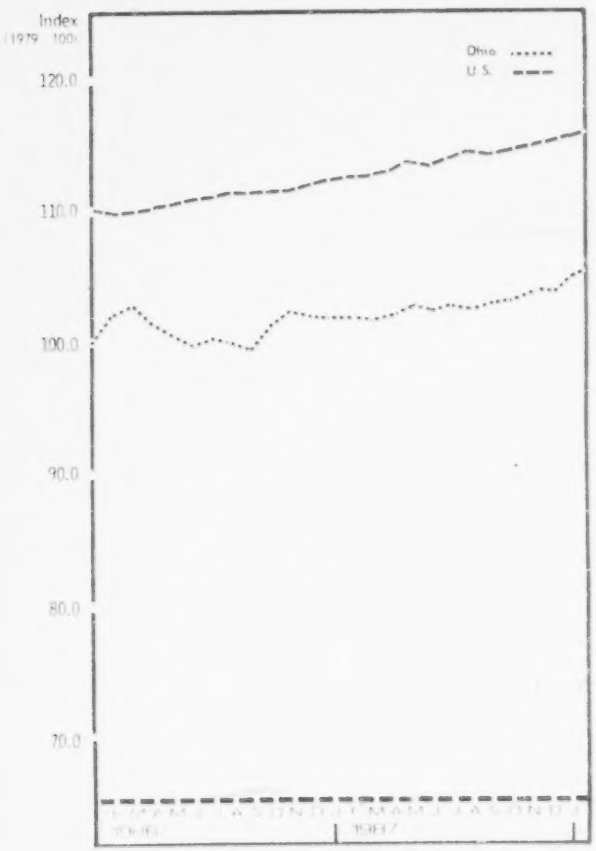
Total Nonagricultural				
	Manufacturing			
		Durable	Nondurable	
				1986
4,435	1,120	763	357	February
4,437	1,117	760	356	March
4,458	1,117	760	357	April
4,463	1,112	755	356	May
4,464	1,112	755	357	June
4,472	1,108	751	357	July
4,481	1,107	750	357	August
4,484	1,098	742	356	September
4,495	1,098	740	358	October
4,509	1,102	744	358	November
4,521	1,103	745	357	December
				1987
4,532	1,096	740	356	January
4,549	1,099	742	357	February
4,552	1,093	737	356	March
4,552	1,096	738	357	April
4,560	1,094	736	357	May
4,568	1,092	735	357	June
4,567	1,082	725	358	July
4,589	1,095	734	360	August
4,597	1,097	737	360	September
4,610	1,097	736	361	October
4,626	1,100	738	362	November
4,639	1,103	739	364	December
				1988
4,654	1,104	739	366	January
4,666	1,104	739	365	February

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

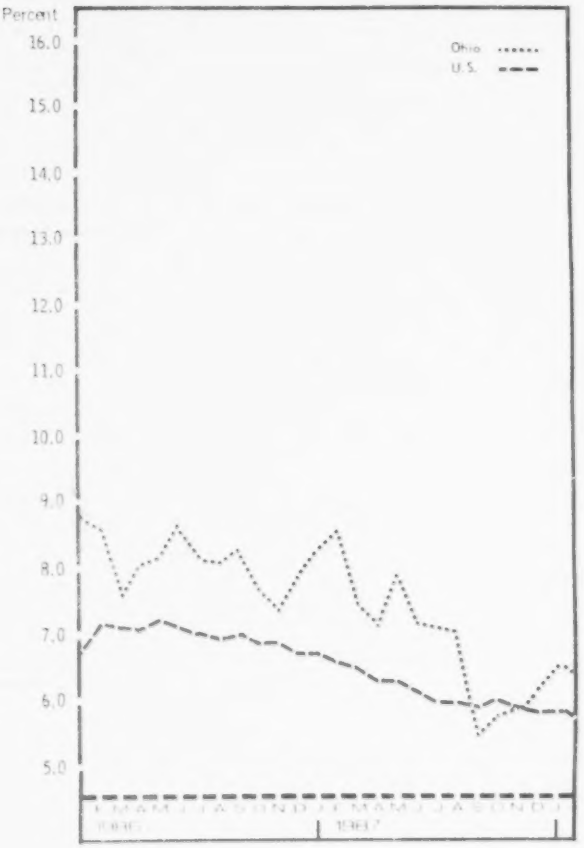
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
					1986				
3,314	25	156	202	245	February	808	226	977	676
3,320	24	156	202	244	March	810	227	981	676
3,342	23	161	203	244	April	813	229	990	677
3,351	23	161	203	244	May	815	231	996	679
3,352	22	160	198	244	June	818	232	998	679
3,364	22	160	204	244	July	820	233	1006	676
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,562	20	192	207	254	February	869	249	1078	692

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

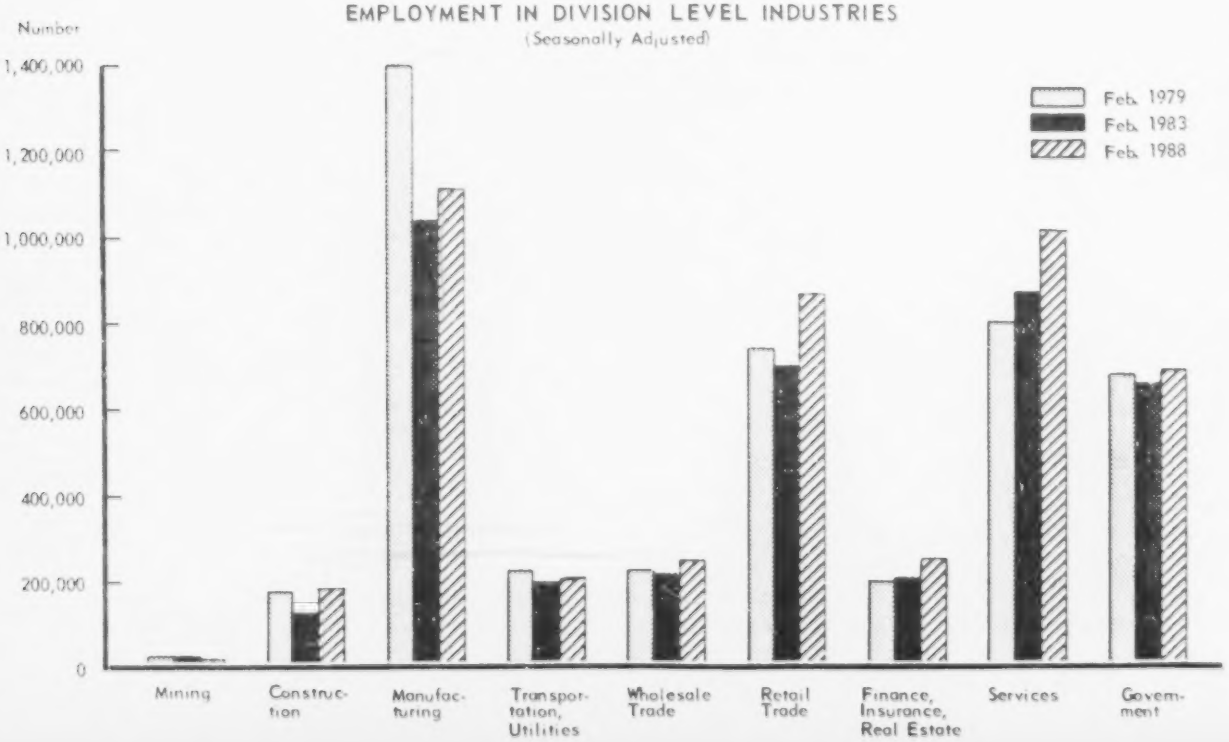
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	US	
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,231	4,806	425	8.1	7.0	1986
5,248	4,881	367	7.0	6.2	1987
					1987
5,211	4,738	473	9.1	7.2	February
5,161	4,756	406	7.9	6.9	March
5,215	4,847	368	7.1	6.2	April
5,275	4,903	372	7.1	6.1	May
5,307	4,922	385	7.3	6.3	June
5,341	4,982	359	6.7	6.1	July
5,289	4,924	365	6.9	5.8	August
5,190	4,903	288	5.5	5.7	September
5,243	4,940	302	5.8	5.7	October
5,285	4,980	305	5.8	5.6	November
5,259	4,937	322	6.1	5.4	December
					1988
5,258	4,883	375	7.1	6.3	January
5,279	4,905	374	7.1	6.2	February

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing		
		Durable	Nondurable
4,230.1	1,344.1	945.2	398.9
4,394.9	1,377.2	974.5	402.7
4,484.8	1,382.3	980.5	401.8
4,367.4	1,264.3	882.6	381.8
4,317.7	1,232.6	860.4	372.2
4,124.3	1,099.9	752.4	347.5
4,092.5	1,066.0	723.6	342.4
4,260.2	1,127.0	773.4	353.6
4,372.9	1,124.3	768.7	355.5
4,471.4	1,109.8	752.7	357.1
4,578.9	1,095.3	736.4	358.9
			1987
4,457.9	1,088.3	736.1	352.2
4,485.0	1,086.6	733.8	352.7
4,539.2	1,093.1	738.4	354.6
4,591.6	1,094.9	738.7	356.2
4,611.6	1,097.6	739.1	358.5
4,572.3	1,084.3	725.5	358.8
4,591.0	1,097.5	733.6	363.9
4,641.3	1,108.3	742.1	366.2
4,658.8	1,099.8	736.4	363.4
4,674.2	1,103.7	740.2	363.6
4,676.9	1,102.9	738.6	364.3
			1988
4,565.8	1,094.5	732.6	361.9
4,570.2	1,094.1	733.4	360.7

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	
2,886.0	29.1	162.8	219.1	214.6	1977
3,017.7	29.0	176.6	225.0	226.0	1978
3,102.5	31.6	182.9	232.1	232.8	1979
3,103.0	30.7	167.4	223.1	230.6	1980
3,085.1	30.7	153.7	217.2	232.5	1981
3,024.4	30.3	134.6	206.8	226.0	1982
3,026.5	26.6	130.8	198.5	222.5	1983
3,133.1	27.8	144.8	203.9	236.7	1984
3,248.6	26.1	154.0	202.7	243.7	1985
3,361.6	22.6	160.7	203.4	244.3	1986
3,483.6	20.9	177.0	206.9	248.7	1987
					1987
3,369.6	21.1	143.9	201.7	243.0	February
3,398.4	20.7	150.4	202.5	244.1	March
3,446.2	20.7	162.2	204.8	246.2	April
3,496.7	20.7	175.4	207.0	248.2	May
3,514.0	21.1	184.4	208.5	250.4	June
3,480.0	21.1	192.7	208.6	250.6	July
3,493.5	21.1	196.8	209.1	251.1	August
3,533.0	21.4	196.4	209.3	251.2	September
3,559.0	20.7	198.6	210.0	252.4	October
3,570.4	20.8	192.7	209.6	252.2	November
3,573.9	20.5	182.9	209.6	252.8	December
					1988
3,471.3	20.1	163.5	203.3	250.9	January
3,476.0	19.8	158.8	202.4	250.7	February

Retail Trade	Finance, Insurance & Real Estate	Services	Government
703.2	183.4	731.4	642.3
730.4	191.1	772.1	667.5
742.4	200.6	806.2	674.0
726.6	203.8	830.9	689.9
717.7	205.8	851.6	676.0
703.4	206.4	857.3	659.6
711.0	207.8	873.3	656.1
748.0	211.5	905.2	655.2
787.9	219.3	949.5	665.2
818.6	232.3	1,001.0	678.9
847.7	243.1	1,051.2	688.1
			1987
811.7	237.5	1,013.5	697.2
818.6	238.5	1,021.8	701.9
830.8	240.0	1,041.3	700.2
845.8	241.8	1,053.7	704.2
851.5	244.7	1,065.9	687.5
852.8	246.8	1,068.2	647.1
858.1	247.2	1,068.6	641.4
861.1	246.1	1,074.7	672.7
862.3	245.7	1,070.4	698.9
873.9	246.2	1,067.5	707.6
887.8	246.7	1,064.7	708.9
			1988
846.2	245.9	1,047.8	693.6
838.0	246.4	1,055.8	704.1

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment

(in thousands)

Manufacturing				Production Workers in Manufacturing		
	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,088.3	736.1	352.2	February	741.9	370.2	31.5
1,086.6	733.8	352.7	March	741.0	369.4	31.3
1,093.1	738.4	354.6	April	746.8	368.2	31.4
1,094.9	738.7	356.2	May	747.3	371.9	31.8
1,097.6	739.1	358.5	June	748.3	373.0	31.9
1,084.3	725.5	358.8	July	735.3	356.7	30.8
1,097.5	733.6	363.9	August	749.2	368.9	31.7
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,094.1	733.4	360.7	February	750.3	378.8	31.9

Production Workers Average Weekly Earnings

Manufacturing				Production Workers Average Weekly Hours				Production Workers Average Hourly Earnings			
	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods	
283.08	292.02	258.34	1977	42.0	42.2	41.4	1977	6.74	6.92	6.24	
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73	
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25	
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96	
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80	
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38	
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77	
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02	
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31	
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57	
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86	
			1987				1987				
499.05	520.88	446.71	February	42.4	42.8	41.4	February	11.77	12.17	10.79	
498.53	519.95	448.86	March	42.5	42.9	41.6	March	11.73	12.12	10.79	
492.99	514.25	443.72	April	42.1	42.5	41.2	April	11.71	12.10	10.77	
497.68	517.45	450.78	May	42.5	42.8	41.7	May	11.71	12.09	10.81	
498.42	517.37	453.95	June	42.6	42.9	41.8	June	11.70	12.06	10.86	
485.20	501.76	450.02	July	41.9	42.2	41.4	July	11.58	11.89	10.87	
492.37	510.00	453.36	August	42.3	42.5	41.9	August	11.64	12.00	10.82	
500.12	516.67	461.92	September	42.6	42.7	42.3	September	11.74	12.10	10.92	
504.50	524.02	461.07	October	42.9	43.2	42.3	October	11.76	12.13	10.90	
511.49	531.57	466.90	November	43.2	43.5	42.6	November	11.84	12.22	10.96	
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99	
			1988				1988				
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98	
504.90	525.16	456.20	February	42.5	42.8	41.7	February	11.88	12.27	10.94	

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

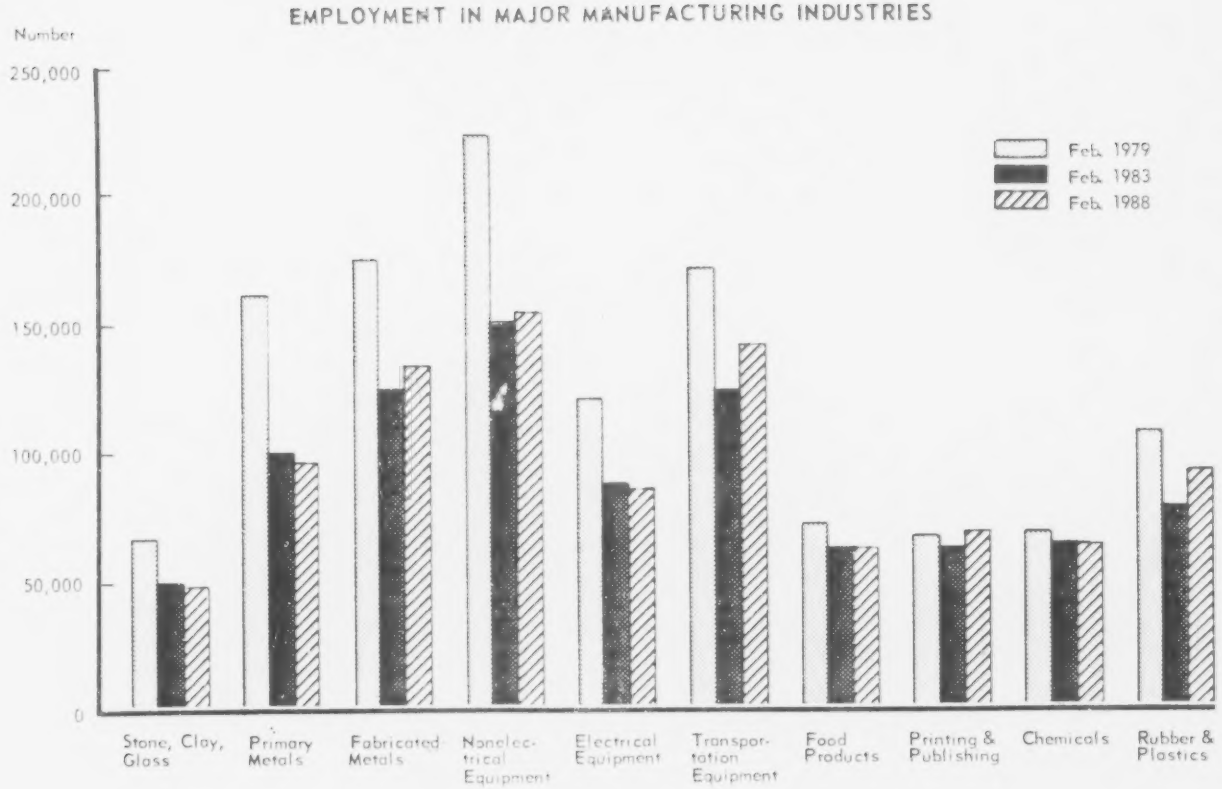
Stone, Clay, & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.2
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
46.9	93.7	132.4	February	153.8	87.7	153.3	February	61.3	68.9	92.5
47.3	94.8	132.7	March	153.7	86.8	149.2	March	61.7	68.8	92.2
47.7	94.8	133.0	April	154.3	86.0	152.6	April	61.8	69.5	92.1
48.1	94.3	133.2	May	155.0	85.9	151.8	May	62.2	69.7	92.1
48.7	95.0	134.4	June	155.7	85.8	148.5	June	62.9	69.8	92.5
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.6	97.7	133.6	February	155.1	86.1	142.6	February	62.2	70.9	93.9

Average Weekly Earnings of Production Workers

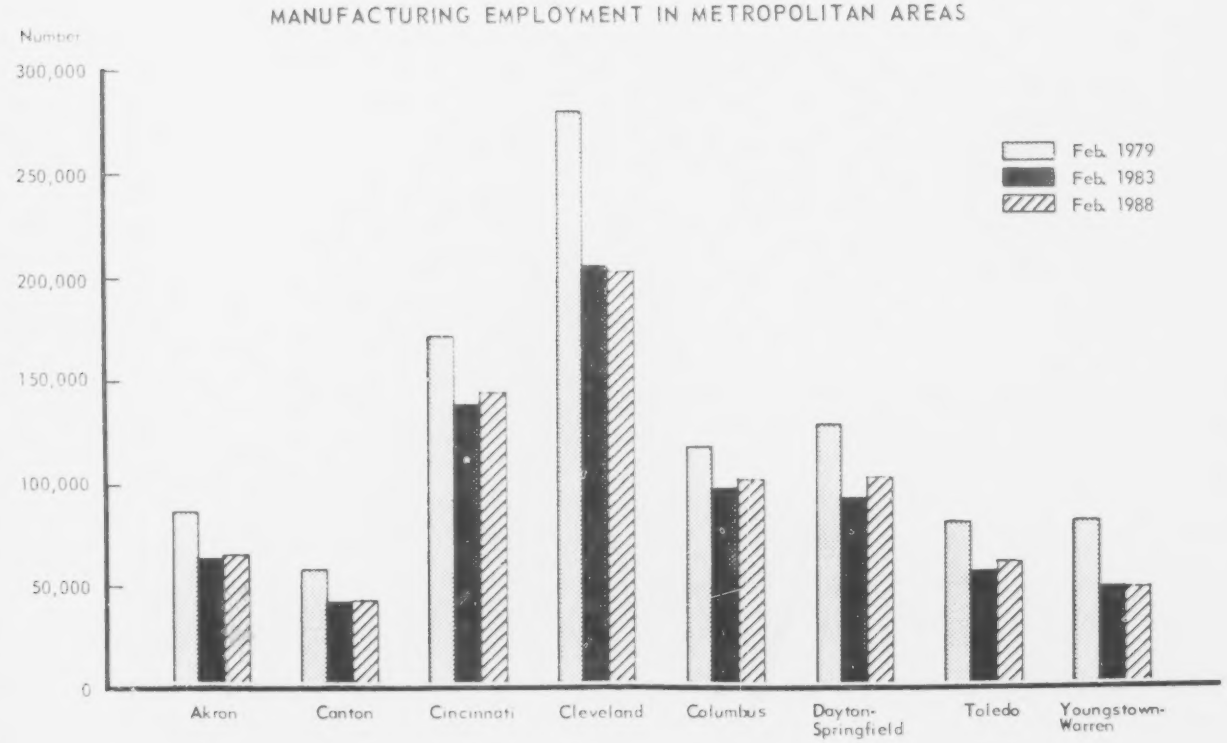
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.36	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	417.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
450.24	606.47	512.89	February	513.86	474.47	643.19	February	439.02	433.86	444.36

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	4570.2	4565.8	4457.9	4.3	112.3
MANUFACTURING	1094.1	1094.5	1088.3	-.4	5.8
Durable Goods[e]	733.4	732.6	736.1	.8	2.7
Lumber and wood products	19.8	19.6	17.9	.2	1.9
Furniture and fixtures	14.3	14.4	14.0	-.1	.3
Stone, clay, and glass products	46.6	46.8	46.9	-.2	-.3
Glass and glassware, pressed or blown	9.7	9.5	10.4	.3	-.7
Primary metal industries	97.7	97.5	93.7	.2	4.0
Blast furnace and basic steel products	45.0	44.9	41.9	.1	3.1
Iron and steel foundries	20.7	20.5	19.5	.1	1.1
Nonferrous rolling and drawing	17.1	16.8	16.9	.2	.2
Fabricated metal products	133.6	133.0	132.4	.6	1.2
Cutlery, hand tools, and hardware	9.6	9.8	9.5	-.2	.1
Fabricated structural metal products	28.9	29.3	27.9	-.4	1.0
Metal forgings and stampings	42.0	41.3	43.0	.7	-1.0
Machinery, except electrical	155.1	154.8	153.8	.3	1.3
Construction and related machinery	12.5	12.5	12.2	.0	.2
Metalworking machinery	39.5	39.6	40.1	-.1	-.7
Special industry machinery	16.5	16.3	16.2	.2	.2
General industrial machinery	27.8	27.6	27.5	.2	.3
Office and computing machines	13.7	13.8	13.3	-.1	.5
Refrigeration and service machinery	15.5	15.6	16.2	.0	-.7
Electric and electronic equipment	86.1	85.9	87.7	.2	-1.6
Electrical industrial apparatus	16.3	16.3	16.1	.0	.2
Household appliances	15.7	15.7	17.0	.1	-1.3
Electric lighting and wiring equipment	17.1	16.8	17.4	.3	-.3
Communication equipment	10.0	10.0	10.4	.0	-.4
Transportation equipment	142.6	143.1	153.3	-.5	-10.7
Motor vehicles and equipment	92.6	93.0	97.5	-.4	-4.9
Aircraft and parts	40.4	40.7	46.4	-.3	-6.1
Instruments and related products	23.7	23.6	22.8	.1	.9
Measuring and controlling devices	13.1	13.0	12.6	.1	.5
Nondurable Goods[f]	360.7	361.9	352.2	-1.2	8.5
Food and kindred products	62.2	62.9	61.3	-.7	.8
Meat products	9.5	9.5	9.4	.0	.1
Dairy products	10.7	10.7	10.0	.1	.7
Preserved fruits and vegetables	10.2	10.6	10.1	-.4	.1
Bakery products	8.9	8.9	8.7	.0	.2
Beverages	9.2	9.3	9.5	-.1	-.2
Apparel and other textile products	16.4	16.2	15.6	.2	.8
Paper and allied products	37.5	37.7	36.5	-.2	1.0
Misc. converted paper products	12.1	12.2	11.8	.0	.4
Paperboard containers and boxes	13.1	13.2	12.4	-.1	.7
Printing and publishing	70.9	70.9	68.9	.0	2.0
Newspapers	19.2	19.3	19.3	-.1	-.1
Commercial printing	26.3	26.1	25.7	.2	.6
Chemicals and allied products	63.5	63.5	61.4	.1	2.1
Industrial inorganic chemicals	9.4	9.4	9.3	.0	.1
Rubber and misc. plastics products	93.9	94.1	92.5	-.2	1.4
Tires and inner tubes	16.8	16.8	17.6	.0	-.7
Miscellaneous plastics products	56.3	56.5	54.5	-.2	1.9

See footnotes on page 15.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3476.0	3471.3	3369.6	4.7	106.5
MINING	19.8	20.1	21.1	- .3	- 1.3
Bituminous coal and lignite mining	8.8	8.7	9.7	.0	- 1.0
Oil and gas extraction	7.0	7.1	7.3	- .1	- .3
CONSTRUCTION	158.8	163.5	143.9	- 4.7	14.9
General building contractors	41.5	42.5	38.2	- 1.0	3.3
Heavy construction contractors	16.6	17.5	14.7	- .9	1.8
Highway and street construction	6.1	6.3	4.8	- .3	1.3
Special trade contractors	100.8	103.6	90.9	- 2.8	9.8
TRANSPORTATION AND PUBLIC UTILITIES	202.4	203.3	201.7	- .9	.7
Railroad transportation	12.8	12.9	13.6	- .1	- .8
Transportation, except railroads	100.9	101.5	98.3	- .7	2.5
Trucking and warehousing	70.7	70.7	69.0	.1	1.8
Communication, electric, gas services	88.7	88.8	89.7	- .1	- 1.0
Communication	47.4	47.5	48.2	- .1	- .8
Electric, gas, and sanitary services	41.4	41.4	41.5	.0	- .2
WHOLESALE TRADE	250.7	250.9	243.0	- .2	7.7
Wholesale trade-durable goods	157.7	157.8	152.9	- .1	4.8
Motor vehicles & automotive equipment	21.8	21.9	21.3	- .1	.5
Electrical goods	19.6	19.6	19.2	.0	.4
Machinery, equipment, and supplies	67.6	67.6	66.2	.0	1.4
Wholesale trade-nondurable goods	93.1	93.1	90.1	- .1	2.9
Groceries and related products	29.2	29.3	28.2	- .1	1.0
RETAIL TRADE	838.0	846.2	811.7	- 8.2	26.3
General merchandise stores	116.6	122.0	114.7	- 5.4	1.9
Department stores	101.6	106.7	100.4	- 5.1	1.2
Food stores	130.8	131.4	128.1	- .6	2.7
Automotive dealers & service stations	93.6	93.5	90.5	.2	3.2
Apparel and accessory stores	42.0	43.4	40.1	- 1.4	1.9
Eating and drinking places	288.9	288.1	281.3	.9	7.6
FINANCE, INSURANCE, AND REAL ESTATE	246.4	245.9	237.5	.5	8.9
Banking	63.5	63.7	62.2	- .2	1.3
Credit agencies other than banks	37.8	37.7	36.5	.1	1.3
Insurance carriers	68.9	68.6	67.2	.3	1.8
Life insurance	25.7	25.6	25.8	.1	.0
Fire, marine, and casualty insurance	30.5	30.4	29.3	.1	1.2
SERVICES	1055.8	1047.8	1013.5	8.0	42.3
Hotels and other lodging places	32.6	32.5	32.0	.1	.7
Personal services	59.0	58.7	57.0	.3	2.0
Laundry, cleaning, & garment services	18.7	18.7	18.1	- .1	.5
Business services	211.7	211.5	200.2	1.2	12.4
Services to buildings	30.1	29.9	28.5	.2	1.7
Computer and data processing services	20.0	19.8	19.0	.2	1.0
Amusement and recreation services	29.3	28.7	28.6	.6	.7
Health services	365.2	364.5	352.9	.7	12.3
Nursing and personal care facilities	80.3	80.2	77.4	.2	2.9
Hospitals	178.3	178.0	173.9	.4	4.4
Educational services	65.2	61.8	65.6	3.4	- .4
Colleges and universities	35.8	32.8	37.2	3.0	- 1.4
GOVERNMENT	704.1	693.6	697.2	10.5	6.9
Federal government	94.5	94.4	94.0	.2	.6
State government	160.5	154.8	156.7	5.7	3.8
State government education[f]	86.1	80.7	84.5	5.5	1.6
State government, except education	74.4	74.1	72.2	.3	2.3
Local government	449.0	444.4	446.5	4.6	2.5
Local government education	266.4	262.0	265.6	4.4	.8
Local government, except education	182.6	182.5	180.9	.1	1.7

See footnotes on page 15

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$504.90	$507.61	$499.05	42.5	42.8	42.4	$11.88	$11.86	$11.77
Durable Goods[e]	525.16	527.11	520.88	42.8	43.1	42.8	12.27	12.23	12.17
Lumber and wood products	285.22	284.26	292.25	38.7	39.1	40.2	7.37	7.27	7.27
Furniture and fixtures	355.60	359.04	342.26	40.0	40.8	40.6	8.89	8.80	8.43
Stone, clay, and glass products	450.24	448.56	440.67	42.0	42.0	41.3	10.72	10.68	10.67
Glass and glassware, pressed or blown	467.63	471.06	460.08	39.9	40.4	40.5	11.72	11.66	11.36
Primary metal industries	606.47	614.21	590.46	44.3	44.8	43.9	13.69	13.71	13.45
Blast furnace and basic steel products	643.87	641.17	598.92	45.6	45.7	43.4	14.12	14.03	13.80
Iron and steel foundries	615.92	653.90	636.96	43.9	45.6	45.4	14.03	14.34	14.03
Nonferrous rolling and drawing	588.96	608.16	598.10	41.1	42.0	42.6	14.33	14.48	14.04
Fabricated metal products	512.89	506.11	510.27	43.1	43.0	42.7	11.90	11.77	11.95
Cutlery, hand tools, and hardware	472.28	475.57	476.77	40.4	40.2	40.2	11.69	11.83	11.86
Fabricated structural metal products	470.61	470.67	447.72	42.9	43.3	42.0	10.97	10.87	10.66
Metal forgings and stampings	631.81	605.66	652.74	44.4	43.2	44.8	14.23	14.02	14.57
Machinery, except electrical	513.86	507.17	499.80	43.4	43.2	42.5	11.84	11.74	11.76
Construction and related machinery	419.63	424.51	413.71	41.1	41.7	40.6	10.21	10.18	10.19
Metalworking machinery	500.46	497.74	465.09	43.9	43.7	41.9	11.40	11.39	11.10
Special industry machinery	499.76	497.48	458.58	43.8	43.6	41.5	11.41	11.41	11.05
General industrial machinery	535.56	521.66	515.46	43.4	42.9	42.6	12.34	12.16	12.10
Office and computing machines	417.08	426.70	404.46	41.5	42.5	42.0	10.05	10.04	9.63
Refrigeration and service machinery	570.03	569.01	619.43	42.1	42.4	43.9	13.54	13.42	14.11
Electric and electronic equipment	474.47	480.80	457.47	42.1	42.7	41.4	11.27	11.26	11.05
Electrical industrial apparatus	477.40	487.53	443.36	43.4	44.2	40.9	11.00	11.03	10.84
Household appliances	498.46	512.73	483.21	41.4	42.2	41.8	12.04	12.15	11.56
Electric lighting and wiring equipment	484.15	487.49	479.55	42.1	42.8	41.7	11.50	11.39	11.50
Communication equipment	487.81	480.87	455.04	41.2	41.1	39.5	11.84	11.70	11.52
Transportation equipment	643.19	649.28	646.46	43.4	43.9	44.8	14.82	14.79	14.43
Motor vehicles and equipment	654.46	667.51	666.03	43.0	43.8	44.7	15.22	15.24	14.90
Aircraft and parts	645.78	626.95	612.41	45.8	45.3	45.6	14.10	13.84	13.43
Instruments and related products	359.33	361.03	369.15	39.4	39.5	40.7	9.12	9.14	9.07
Measuring and controlling devices	347.76	353.66	360.75	37.8	38.4	38.5	9.20	9.21	9.37
Nondurable Goods[f]	456.20	464.45	446.71	41.7	42.3	41.4	10.94	10.98	10.79
Food and kindred products	439.02	450.93	435.77	41.3	42.5	41.7	10.63	10.61	10.45
Meat products	356.98	386.98	383.22	39.1	41.7	41.7	9.13	9.28	9.19
Dairy products	477.40	476.10	465.24	43.4	43.4	42.8	11.00	10.97	10.87
Preserved fruits and vegetables	455.51	444.64	441.61	41.0	41.4	42.3	11.11	10.74	10.44
Bakery products	467.20	475.51	457.08	40.0	40.4	38.9	11.68	11.77	11.75
Beverages	425.49	430.32	386.71	40.6	41.1	39.3	10.48	10.47	9.84
Apparel and other textile products	294.08	299.51	276.29	38.9	39.1	37.9	7.56	7.66	7.29
Paper and allied products	486.62	499.97	492.40	43.8	44.6	44.4	11.11	11.21	11.09
Misc. converted paper products	420.46	444.28	450.24	42.3	43.6	44.8	9.94	10.19	10.05
Paperboard containers and boxes	432.29	442.10	436.13	43.1	43.6	42.8	10.03	10.14	10.19
Printing and publishing	433.86	434.17	420.53	38.6	38.8	38.3	11.24	11.19	10.98
Newspapers	353.18	358.70	357.76	33.1	34.0	34.6	10.67	10.55	10.34
Commercial printing	441.90	435.51	417.59	40.1	39.7	39.1	11.02	10.97	10.68
Chemicals and allied products	538.86	551.68	527.07	42.0	42.7	41.6	12.83	12.92	12.67
Industrial inorganic chemicals	587.64	597.04	562.02	43.4	43.9	41.6	13.54	13.60	13.51
Rubber and misc. plastics products	444.36	448.59	433.82	43.1	43.5	42.2	10.31	10.36	10.28
Tires and inner tubes	683.01	687.74	637.91	47.3	47.3	45.5	14.44	14.54	14.02
Miscellaneous plastics products	425.43	426.57	416.07	42.8	42.7	41.9	9.94	9.99	9.93

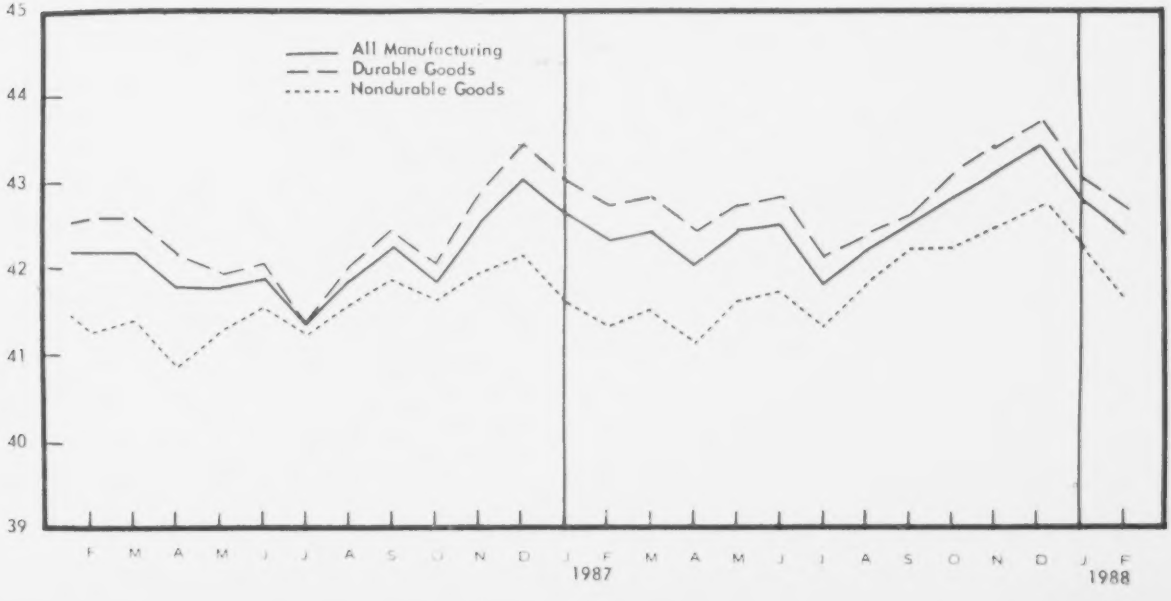
See footnotes on page 15.

Hours & Earnings of Production or Nonsupervisory Workers[a]

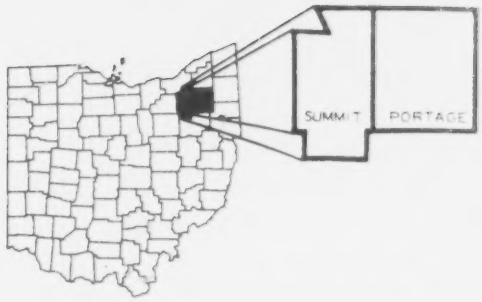
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MINING	$540.99	$557.66	$545.93	42.8	44.4	43.5	$12.64	$12.56	$12.55
Bituminous coal and lignite mining	650.50	689.22	654.84	42.6	44.9	42.8	15.27	15.35	15.30
CONSTRUCTION	558.33	555.74	549.29	37.0	37.0	37.7	15.09	15.02	14.57
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	550.90	559.63	530.00	40.3	40.7	40.0	13.67	13.75	13.25
Communication	534.36	535.71	518.64	39.7	39.8	39.5	13.46	13.46	13.13
Electric, gas, and sanitary services	571.70	587.14	545.38	41.1	41.7	40.7	13.91	14.08	13.40
WHOLESALE TRADE	384.15	382.40	365.33	39.0	39.1	38.7	9.85	9.78	9.44
Wholesale trade-durable goods	380.03	377.28	363.09	39.3	39.3	39.0	9.67	9.60	9.31
Wholesale trade-nondurable goods	391.16	390.10	370.74	38.5	38.7	38.3	10.16	10.08	9.68
RETAIL TRADE[h]	160.68	161.24	156.79	27.8	27.8	27.8	5.78	5.80	5.64
General merchandise stores	167.05	171.44	171.17	26.9	27.3	28.2	6.21	6.28	6.07
Department stores	170.55	175.91	175.91	26.9	27.4	28.1	6.34	6.42	6.26
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	262.29	264.30	254.65	....	....	....	.....	.....	.....
Credit agencies other than banks	261.99	258.86	245.39	....	....	....	.....	.....	.....
Insurance carriers	362.32	361.50	345.59	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	337.92	337.95	324.05	33.0	33.1	33.1	10.24	10.21	9.79

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



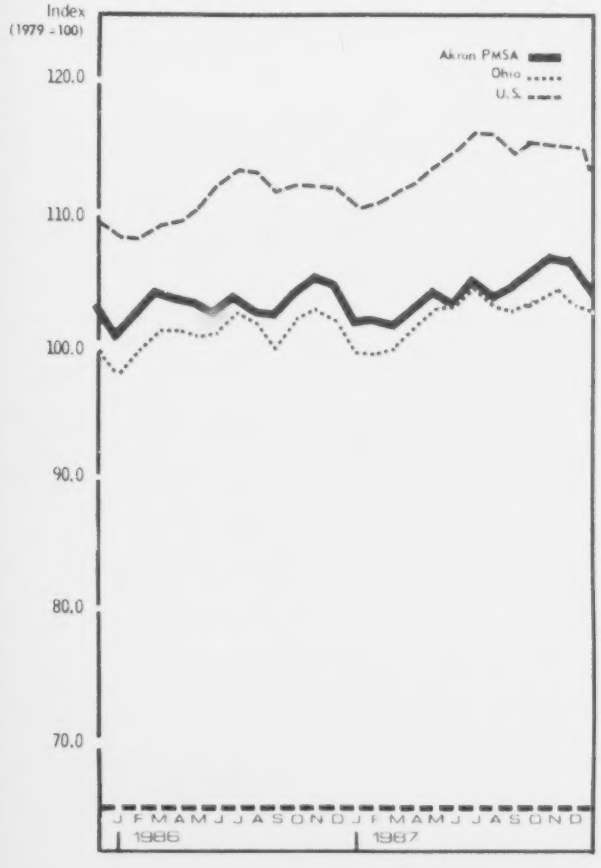
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



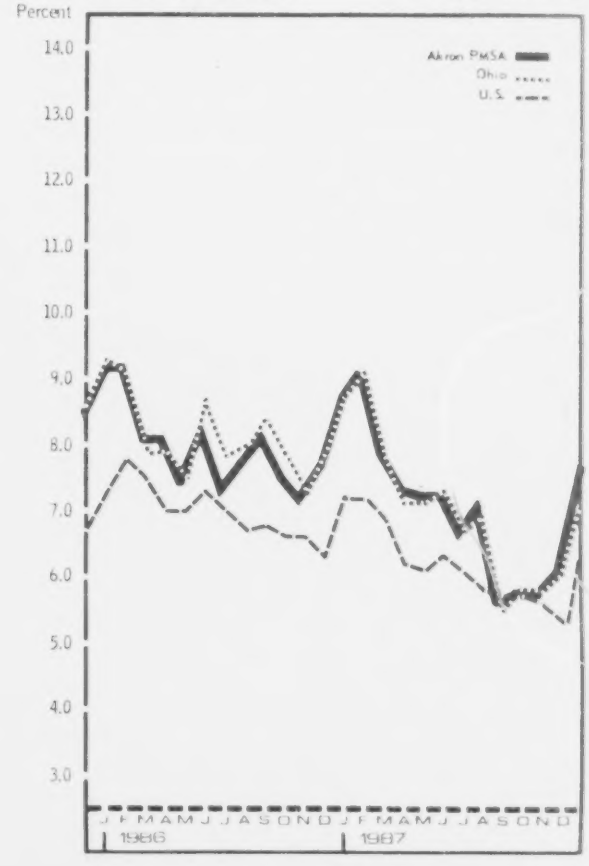
Nonagricultural wage and salary employment in the Akron metropolitan area totaled 265,100 in February, an improvement of 2,300 from January. Nonmanufacturing industries provided the major portion of the growth as seasonal increases in state government education more than offset seasonal losses in retail trade and construction. Manufacturing employment, at 66,900, increased 200 jobs from January. Manufacturing production workers averaged a 43.1 hour workweek, down slightly from last month. They earned an average of $11.42 per hour, $.08 higher.

Since February 1987, nonfarm wage and salary employment recorded an increase of 5,500 jobs. Nonmanufacturing industries contributed most to the expansion, with a net gain of 5,000. Primary growth sectors were services, especially health and business services, and wholesale and retail trade. Scattered increases in other durable- and nondurable-goods industries more than offset losses in tires and inner tubes, creating 500 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



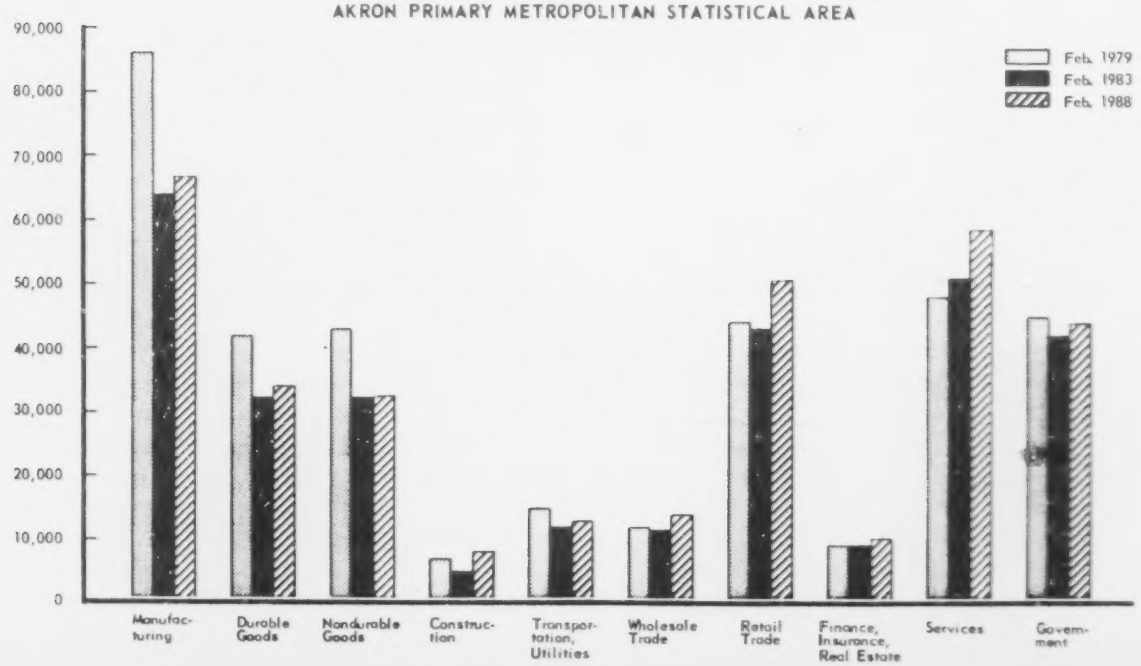
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.82
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
319.5	291.3	28.1	8.8	January	258.9	66.7	36.2	489.62	43.1	11.36
320.2	290.9	29.3	9.1	February	259.6	66.3	36.0	487.05	42.5	11.46
315.3	290.2	25.1	8.0	March	260.1	66.0	35.9	483.64	42.8	11.30
318.2	294.7	23.5	7.4	April	262.6	66.1	35.7	483.75	43.0	11.25
321.7	298.3	23.5	7.3	May	265.9	66.1	35.7	487.19	43.0	11.33
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
321.5	296.8	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
INA	INA	INA	INA	February	265.1	66.9	36.9	492.20	43.1	11.42

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	265.1	262.8	259.6	2.3	5.5
MANUFACTURING	66.9	66.6	66.3	.2	.5
Durable Goods[e]	34.5	34.3	34.1	.2	.5
Fabricated metal products	11.8	11.6	11.7	.1	.1
Machinery, except electrical	9.5	9.5	9.2	.0	.3
Metalworking machinery	3.3	3.4	3.1	- .1	.2
Nondurable Goods[f]	32.4	32.3	32.3	.0	.1
Food and kindred products	3.1	3.1	2.9	.0	.1
Chemicals and allied products	3.0	3.0	2.9	.0	.1
Rubber and misc. plastics products	20.8	20.8	21.1	.0	- .3
Tires and inner tubes	12.7	12.7	13.4	.0	- .7
NONMANUFACTURING[g]	198.2	196.1	193.3	2.1	5.0
CONSTRUCTION	7.7	7.9	7.3	- .2	.3
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.7	12.8	.1	.0
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.1	14.0	13.6	.0	.5
RETAIL TRADE	50.7	51.3	50.2	- .6	.5
General merchandise stores	5.9	6.4	6.2	- .5	- .3
FINANCE, INSURANCE, AND REAL ESTATE	10.7	10.6	10.4	.1	.3
Banking	3.1	3.1	3.2	.0	.0
SERVICES	57.9	57.6	54.9	.3	2.9
Business services	11.3	11.3	10.5	.0	.8
Amusement and recreation services	2.8	2.7	2.5	.1	.3
Health services	19.9	19.9	18.8	.0	1.1
GOVERNMENT	43.9	41.5	43.5	2.4	.4
State government	15.8	13.8	15.5	2.1	.4
State government education[h]	12.9	10.8	12.6	2.1	.3
State government, except education	3.0	3.0	2.9	.0	.1
Local government	25.7	25.5	25.7	.2	.0
Local government education	14.9	14.6	14.5	.3	.4
Local government, except education	10.8	10.9	11.2	- .1	- .4

Hours & Earnings of Production or Nonsupervisory Workers[a]

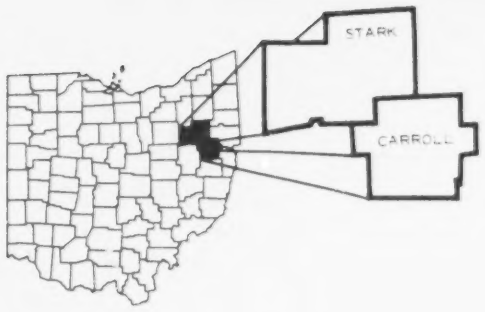
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$492.20	$489.89	$487.05	43.1	43.2	42.5	$11.42	$11.34	$11.46
Durable Goods[e]	508.03	498.37	513.75	43.2	43.0	43.1	11.76	11.59	11.92
Fabricated metal products	629.82	605.75	656.94	44.7	43.8	45.4	14.09	13.83	14.47
Machinery, except electrical	448.80	453.01	441.37	44.0	44.5	43.7	10.20	10.18	10.10
Metalworking machinery	467.71	476.56	457.41	44.8	45.3	44.8	10.44	10.52	10.21
Nondurable Goods[f]	469.56	480.26	448.03	43.0	43.7	41.6	10.92	10.99	10.77
Food and kindred products	477.20	477.63	438.07	43.7	43.9	40.6	10.92	10.88	10.79
Chemicals and allied products	508.81	518.91	470.68	43.6	44.2	41.0	11.67	11.74	11.48
Rubber and misc. plastics products	493.06	498.85	471.23	44.3	44.7	42.8	11.13	11.16	11.01
Tires and inner tubes	785.07	783.50	694.19	50.1	50.0	47.0	15.67	15.67	14.77
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	559.14	559.36	537.34	40.4	40.3	40.1	13.84	13.88	13.40
WHOLESALE TRADE	336.60	334.11	318.28	37.4	37.0	37.8	9.00	9.03	8.42
RETAIL TRADE[h]	192.17	192.17	196.55	30.6	30.6	31.1	6.28	6.28	6.32

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,395	2,454	2,465
Active File of Job Seekers	17,782	16,818	21,290
Referrals to Jobs	819	1,042	980
Placements	192	170	185
Job Openings Received	346	388	425
Job Openings Unfilled	538	697	519
Unemployment Insurance Program			
Initial Claims	3,410	5,556	3,443
Continued Claims	39,429	37,265	39,189
First Payments	2,347	2,831	2,535
Last Payments	359	448	393
Weeks Compensated	31,549	30,459	32,374
Benefits Paid	$4,939,086	$4,669,705	$4,841,878
Average Weekly Payment	$159.40	$157.05	$152.38

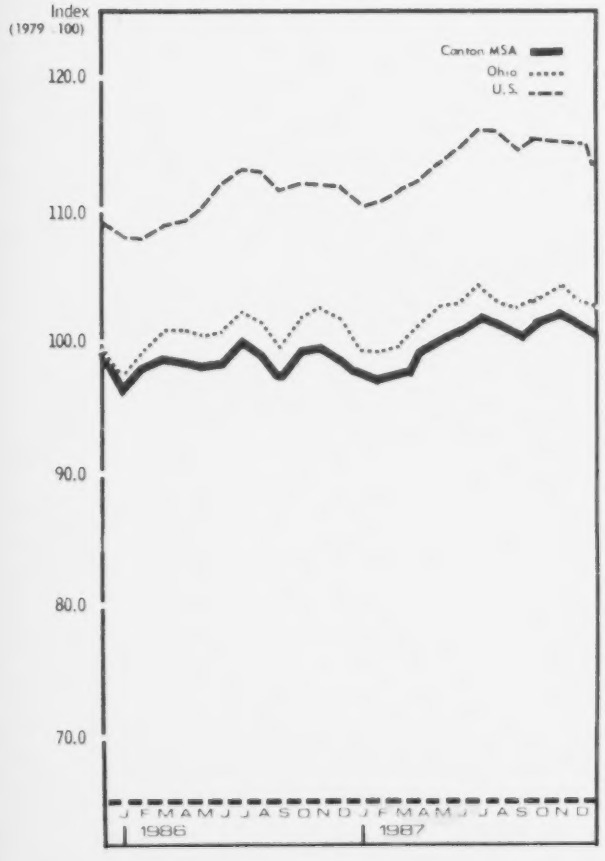
CANTON
METROPOLITAN STATISTICAL AREA



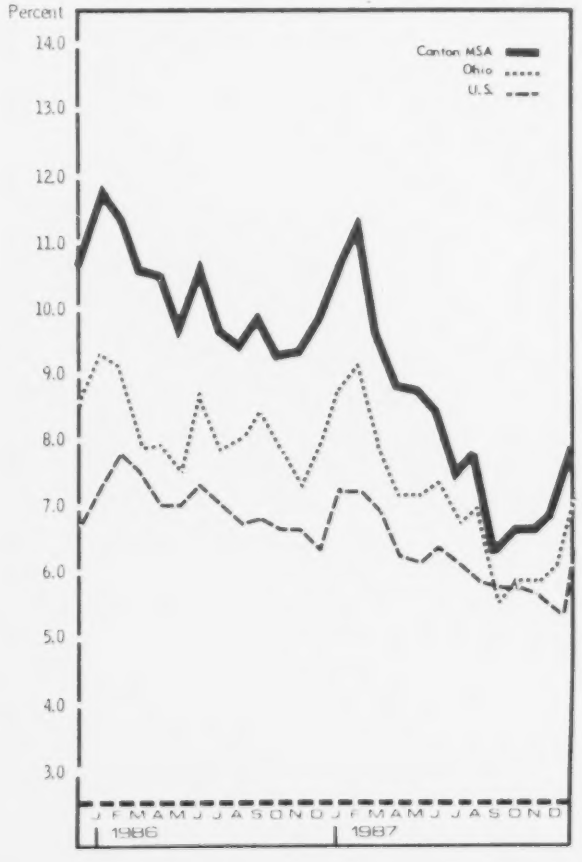
Nonfarm wage and salary employment for the Canton metropolitan area in February totaled 155,400, unchanged from January. Manufacturing employment, at 43,600, was up 100. Divisions in nonmanufacturing registered a loss of 100 jobs, as declines in retail trade and construction offset gains in services and local schools. Factory workers averaged a 42.7 hour workweek, down .5 hours from the previous month. Average hourly earnings rose $.02, to $11.45.

Nonagricultural wage and salary employment advanced 3,700 from February 1987. Nonmanufacturing industries contributed most to the expansion. Services, especially health services, construction, and retail trade were the major growth sectors. Although reductions were recorded in food and kindred products, scattered improvements in durable-goods industries raised manufacturing employment 300 over the year.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

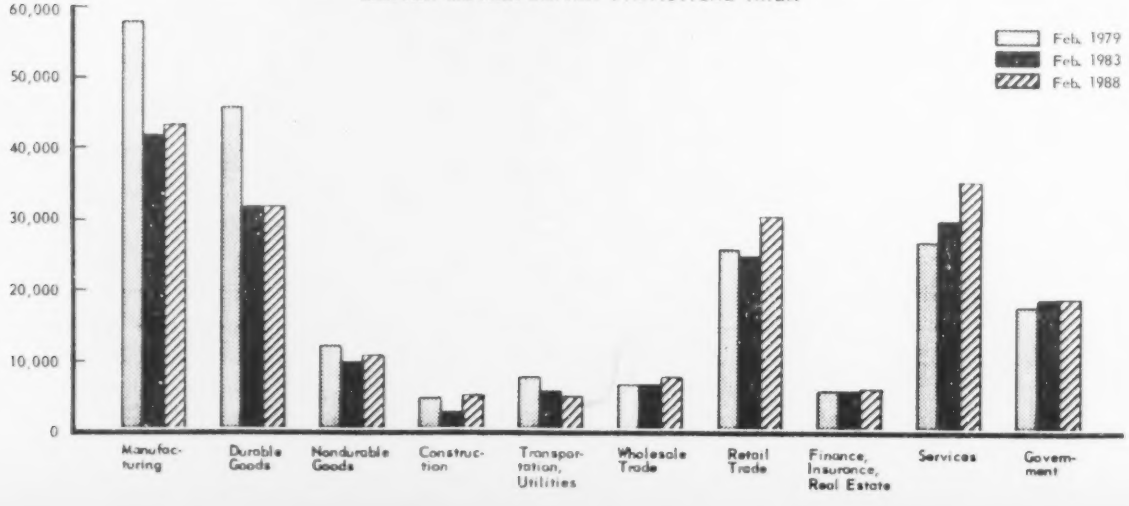


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
190.0	169.9	20.1	10.6	January	151.9	43.1	30.4	483.19	42.2	11.45
190.8	169.1	21.7	11.4	February	151.8	43.3	30.5	476.70	42.0	11.35
187.7	169.6	18.1	9.7	March	152.8	43.3	30.5	477.12	42.0	11.36
189.1	172.4	16.8	8.9	April	154.3	43.3	30.5	471.03	41.5	11.35
191.2	174.4	16.7	8.7	May	156.3	43.5	30.6	486.35	42.7	11.39
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
189.2	174.2	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
INA	INA	INA	INA	February	155.4	43.6	31.1	488.92	42.7	11.45

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	155.4	155.4	151.8	.0	3.7
MANUFACTURING	43.6	43.6	43.3	.1	.3
Durable Goods[e]	32.3	32.3	31.8	.1	.6
Primary metal industries	10.5	10.5	10.5	.0	.0
Fabricated metal products	6.5	6.4	6.5	.1	- .1
Metal forgings and stampings	2.1	2.1	2.3	.0	- .2
Nondurable Goods[f]	11.3	11.3	11.5	.0	- .2
Food and kindred products	3.3	3.3	3.7	.0	- .5
Rubber and misc. plastics products	2.9	2.9	2.8	.0	.1
NONMANUFACTURING[g]	111.8	111.9	108.4	- .1	3.4
CONSTRUCTION	5.5	5.9	4.5	- .4	1.0
TRANSPORTATION AND PUBLIC UTILITIES	5.7	5.7	5.5	.0	.2
Communication, electric, gas services	2.6	2.6	2.6	.0	.0
WHOLESALE TRADE	8.1	8.1	7.9	.0	.2
Wholesale trade-durable goods	4.4	4.5	4.4	.0	.1
RETAIL TRADE	30.6	31.0	30.1	- .5	.5
General merchandise stores	3.8	4.1	3.8	- .2	.1
Food stores	5.1	5.1	5.1	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.4	.0	.0
Banking	1.8	1.9	1.9	.0	.0
SERVICES	35.3	34.9	34.2	.4	1.1
Health services	15.2	15.0	14.6	.2	.7
GOVERNMENT	19.1	18.8	18.7	.3	.4
State government (includes education)	1.8	1.8	1.7	.0	.1
Local government	15.9	15.6	15.6	.3	.3
Local government education	9.4	9.1	9.6	.3	- .2
Local government, except education	6.5	6.5	6.0	.0	.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

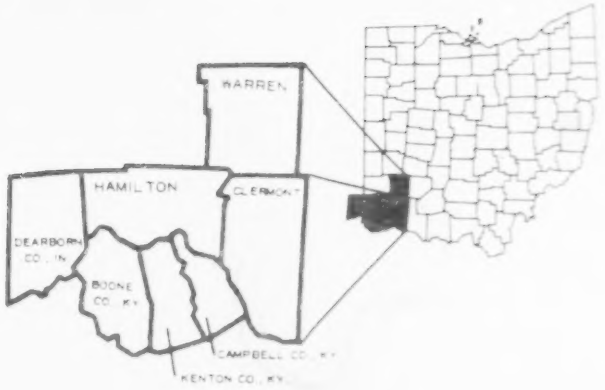
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$488.92	$493.78	$476.70	42.7	43.2	42.0	$11.45	$11.43	$11.35
Durable Goods[e]	512.12	520.97	503.33	43.4	44.3	42.8	11.80	11.76	11.76
Primary metal industries	583.98	611.71	582.94	45.2	47.2	45.4	12.92	12.96	12.84
Fabricated metal products	433.19	424.73	474.37	41.1	40.8	41.0	10.54	10.41	11.57
Metal forgings and stampings	590.20	576.69	608.61	41.1	40.3	41.8	14.36	14.31	14.56
Nondurable Goods[f]	412.89	409.60	398.80	40.4	40.0	39.8	10.22	10.24	10.02
Food and kindred products	411.28	429.84	435.07	38.8	39.8	41.2	10.60	10.80	10.56
Rubber and misc. plastics products	440.13	428.45	422.50	41.6	41.0	41.3	10.58	10.45	10.23
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	540.55	565.52	520.90	40.1	41.4	40.1	13.48	13.66	12.99
WHOLESALE TRADE	384.84	375.82	350.28	38.6	38.0	36.0	9.97	9.89	9.73
RETAIL TRADE[h]	153.72	152.84	150.64	28.0	28.2	28.0	5.49	5.42	5.38

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	1,407	1,653	1,474
Active File of Job Seekers	12,090	11,400	18,141
Referrals to Jobs	848	737	824
Placements	161	246	117
Job Openings Received	346	270	242
Job Openings Unfilled	348	306	353
Unemployment Insurance Program			
Initial Claims	2,235	3,514	2,559
Continued Claims	23,226	21,890	28,255
First Payments	1,417	1,738	1,882
Last Payments	213	240	302
Weeks Compensated	17,307	17,249	23,392
Benefits Paid	$2,514,358	$2,445,971	$3,456,963
Average Weekly Payment	$148.67	$146.61	$151.71

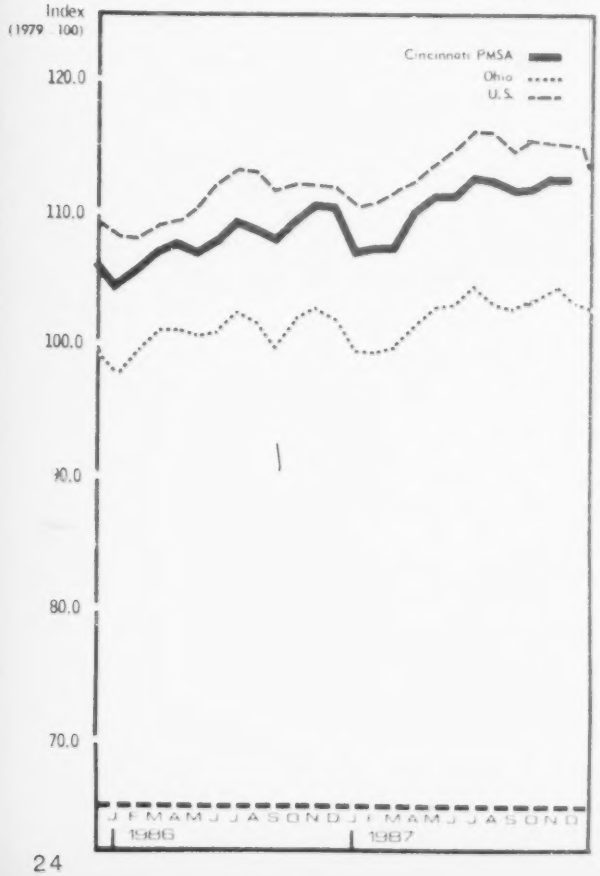
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



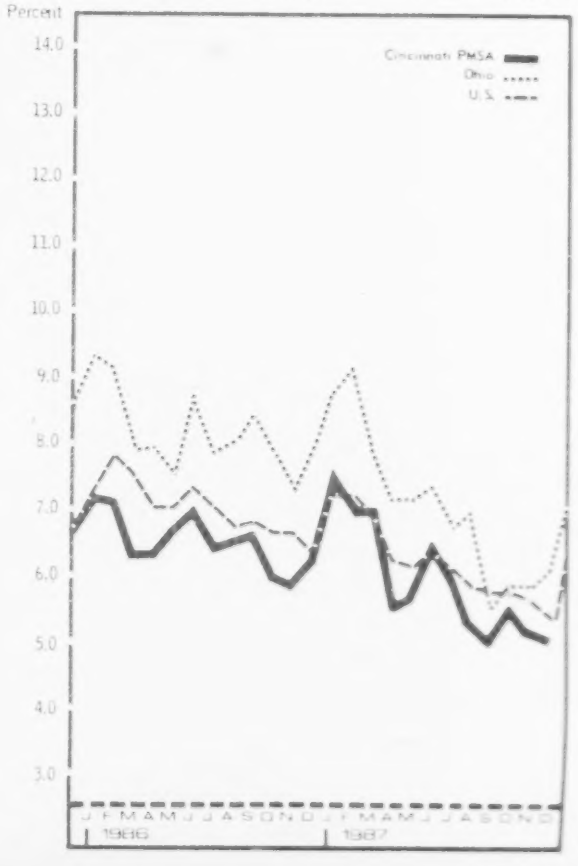
Nonagricultural wage and salary employment in the Cincinnati area totaled 679,200 in February, 400 lower than the January level. Manufacturing employment declined 800 due to a decrease in durable-goods industries, especially in transportation equipment. Nonmanufacturing employment advanced 400 as gains in services and state and local education offset seasonal reductions in retail trade and the effect of a labor dispute in transportation and public utilities. Factory workers earned an average of $11.14 per hour, down $.02 from January. Their average workweek, 42.3 hours, was .8 hours shorter.

From February 1987 to February 1988, growth in services, retail and wholesale trade, and construction contributed significantly to a gain of 25,200 nonagricultural wage and salary jobs. Manufacturing employment declined 1,400 during the period. Gains in nondurable goods were negated by a declining workforce in motor vehicles and equipment.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



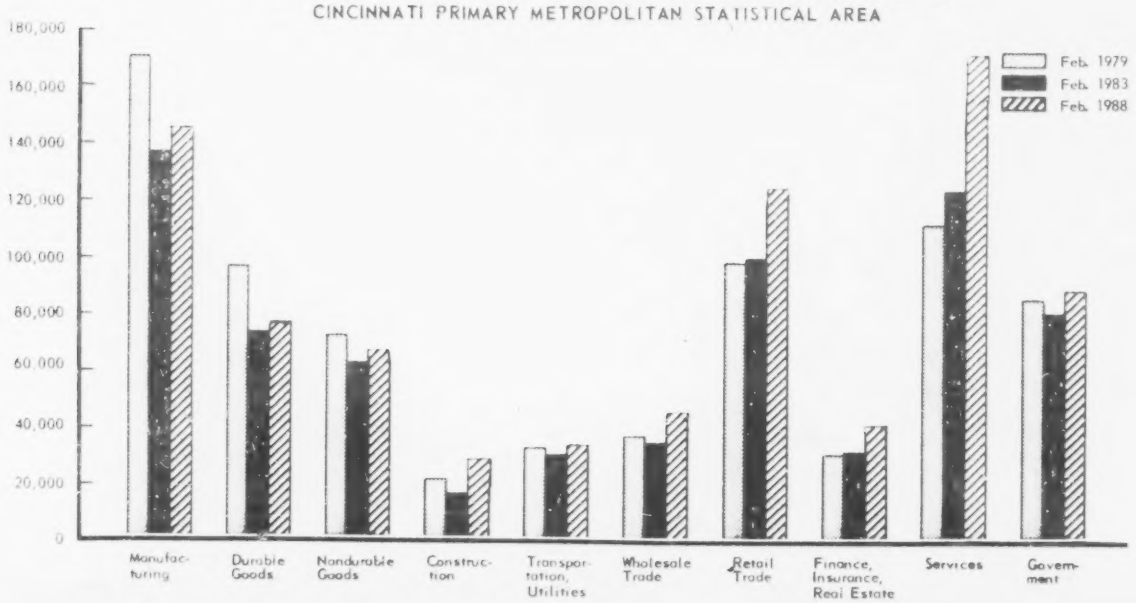
CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5*	679.4*	47.2*	6.5*	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
731.0	675.6	55.5	7.6	January	650.1	142.4	90.5	458.53	42.3	10.84
729.9	678.8	51.1	7.0	February	654.0	145.7	93.6	467.25	42.4	11.02
730.3	679.0	51.2	7.0	March	656.6	142.2	90.4	462.40	42.5	10.88
737.7	697.3	40.4	5.5	April	673.1	146.9	94.8	459.38	41.8	10.99
744.4	703.0	41.4	5.6	May	679.6	147.6	95.3	466.15	42.3	11.02
750.4	701.8	48.6	6.5	June	680.2	144.7	92.0	466.52	42.8	10.90
756.6	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
INA	INA	INA	INA	January	679.6	145.1	92.9	481.00	43.1	11.16
INA	INA	INA	INA	February	679.2	144.3	92.2	471.22	42.3	11.14

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the March 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	679.2	679.6	654.0	- .4	25.2
MANUFACTURING	144.3	145.1	145.7	- .8	- 1.4
Durable Goods[e]	76.5	77.6	80.7	- 1.1	- 4.2
Fabricated metal products	10.1	10.3	10.2	- .1	- .1
Fabricated structural metal products	3.9	4.1	3.9	- .1	.0
Machinery, except electrical	20.4	20.5	20.5	- .1	- .1
Metalworking machinery	7.9	8.0	8.4	- .1	- .5
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.6	7.6	7.5	.0	.1
Transportation equipment	24.7	25.3	29.1	- .7	- 4.5
Motor vehicles and equipment	4.9	5.2	8.5	- .3	- 3.6
Nondurable Goods[f]	67.7	67.5	65.0	.2	2.8
Food and kindred products	13.2	13.1	12.6	.1	.6
Beverages	3.4	3.4	3.7	.0	- .3
Apparel and other textile products	4.1	4.0	3.4	.1	.7
Paper and allied products	6.0	6.1	6.1	- .1	.0
Printing and publishing	13.4	13.3	13.2	.1	.2
Commercial printing	5.9	5.8	5.7	.1	.2
Chemicals and allied products	22.7	22.7	21.8	.0	.9
Rubber and misc. plastics products	6.0	5.9	5.5	.0	.4
NONMANUFACTURING[g]	534.9	534.5	508.3	.4	26.7
CONSTRUCTION	28.0	28.5	25.1	- .4	2.9
TRANSPORTATION AND PUBLIC UTILITIES	35.1[j]	35.8	34.1	- .7	1.0
Trucking and warehousing	9.9	9.9	9.5	.0	.5
Communication, electric, gas services	15.1	15.1	14.9	.0	.2
WHOLESALE TRADE	44.9	44.8	43.4	.0	1.5
Wholesale trade-durable goods	26.5	26.5	25.4	.1	1.1
RETAIL TRADE	124.8	126.1	119.8	- 1.3	4.9
General merchandise stores	17.0	18.0	17.0	- 1.1	- .1
FINANCE, INSURANCE, AND REAL ESTATE	41.1	41.1	39.0	.0	2.0
Banking	9.0	9.1	8.5	.0	.5
Insurance carriers	14.1	14.1	13.6	.0	.5
SERVICES	171.2	169.9	158.6	1.4	12.7
Hotels and other lodging places	6.3	6.2	5.8	.1	.4
Personal services	8.9	8.8	8.3	.0	.5
Business services	41.2	40.9	37.5	.3	3.7
Amusement and recreation services	6.1	6.2	5.3	.0	.9
Health services	54.1	53.8	50.8	.3	3.3
Hospitals	25.8	25.6	24.5	.2	1.3
GOVERNMENT	89.3	87.9	87.9	1.4	1.4
Federal government	15.7	15.1	15.0	.6	.7
State government	20.2	19.7	20.2	.5	.0
State government education[i]	12.4	12.0	12.3	.4	.1
State government, except education	7.8	7.7	7.8	.0	- .1
Local government	53.4	53.1	52.7	.4	.7
Local government education	31.2	30.9	31.2	.3	.0
Local government, except education	22.2	22.2	21.5	.0	.7

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$471.22	$481.00	$467.25	42.3	43.1	42.4	$11.14	$11.16	$11.02
Durable Goods[e]	481.60	479.70	476.62	43.0	43.1	42.9	11.20	11.13	11.11
Fabricated metal products	417.06	428.14	401.95	42.0	42.9	42.4	9.93	9.98	9.48
Fabricated structural metal products	415.75	426.86	396.77	41.7	42.9	40.2	9.97	9.95	9.87
Machinery, except electrical	428.24	430.26	416.94	42.4	42.6	42.2	10.10	10.10	9.88
Metalworking machinery	485.93	492.59	466.13	42.7	43.4	43.2	11.38	11.35	10.79
General industrial machinery	412.52	411.55	415.42	44.5	44.3	44.1	9.27	9.29	9.42
Electric and electronic equipment	333.20	349.25	335.62	39.2	40.8	38.4	8.50	8.56	8.74
Transportation equipment	744.96	717.10	686.49	48.0	46.9	46.7	15.52	15.29	14.70
Motor vehicles and equipment	797.07	759.10	678.46	47.7	46.4	43.8	16.71	16.36	15.49
Nondurable Goods[f]	460.93	481.86	457.97	41.6	43.1	41.9	11.08	11.18	10.93
Food and kindred products	491.53	554.12	490.60	42.3	46.1	44.0	11.62	12.02	11.15
Beverages	530.85	532.54	544.87	42.4	42.4	43.8	12.52	12.56	12.44
Apparel and other textile products	208.46	207.18	218.50	36.7	36.8	38.2	5.68	5.63	5.72
Paper and allied products	405.72	421.60	425.52	41.4	42.5	41.8	9.80	9.92	10.18
Printing and publishing	482.79	473.10	472.12	41.8	41.5	40.7	11.55	11.40	11.60
Commercial printing	526.44	505.76	532.22	44.5	43.6	44.8	11.83	11.60	11.88
Chemicals and allied products	533.18	560.74	515.41	41.3	43.2	41.2	12.91	12.98	12.51
Rubber and misc. plastics products	393.76	404.87	404.40	42.8	44.2	44.1	9.20	9.16	9.17
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	539.92	545.60	517.72	39.7	40.0	39.4	13.60	13.64	13.14
WHOLESALE TRADE	405.57	399.84	374.80	41.3	40.8	40.0	9.82	9.80	9.37
RETAIL TRADE[h]	161.31	164.45	158.48	28.3	28.7	28.1	5.70	5.73	5.64
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	.....	....	....	....	....	....
Banking	260.39	255.28	259.47	.....	....	....	....	....	....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes state universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

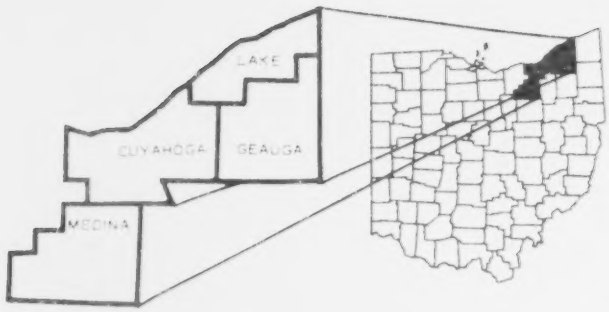
Selected Administrative Program Activities[a]

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,775	3,061	3,594
Active File of Job Seekers	23,194	22,647	25,582
Referrals to Jobs	1,830	1,558	2,127
Placements	519	243	428
Job Openings Received	1,111	655	900
Job Openings Unfilled	1,495	1,576	1,482
Unemployment Insurance Program			
Initial Claims	4,684	6,805	5,662
Continued Claims	56,563	52,128	54,283
First Payments	3,982	2,254	4,015
Last Payments	886	524	715
Weeks Compensated	48,882	40,313	45,434
Benefits Paid	$7,880,702	$6,407,686	$6,569,897
Average Weekly Payment	$163.42	$161.79	$147.21

[a]Ohio data only

CLEVELAND

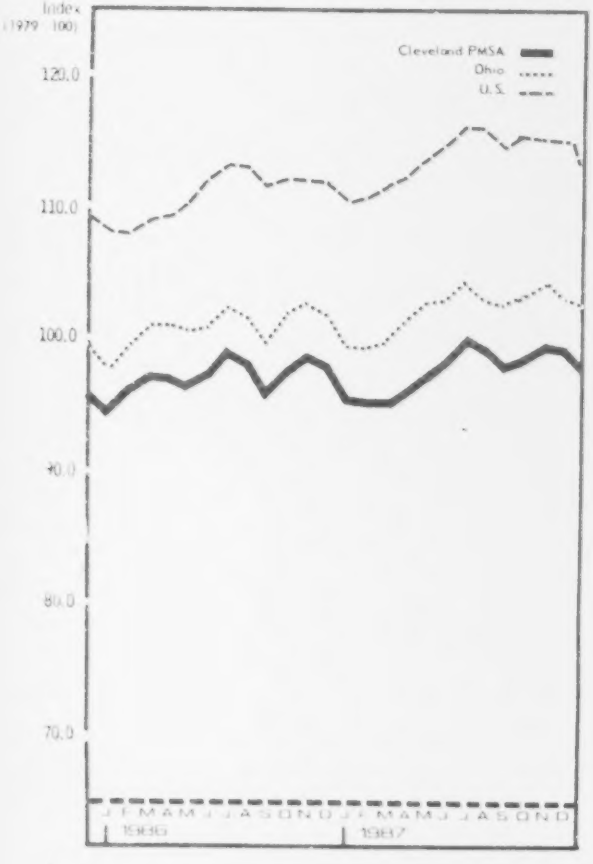
PRIMARY METROPOLITAN STATISTICAL AREA



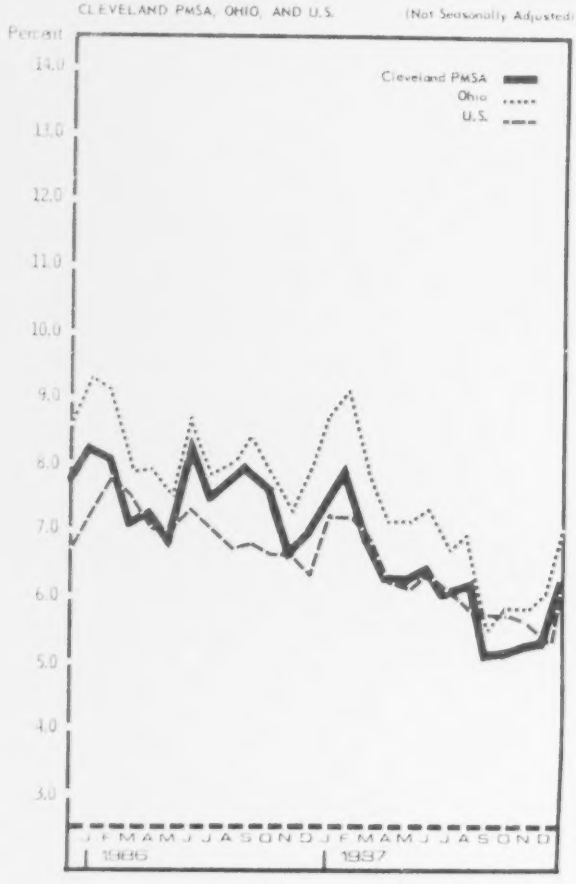
In February, total nonfarm employment in the Cleveland area declined 400 from the January level, to 889,400. Although a notable improvement was recorded in services, seasonal declines in retail trade and construction lowered nonmanufacturing employment 500 over the month. Manufacturing employment, at 202,000, remained unchanged. Production workers averaged $11.64 per hour, down $.07 from last month. Their average workweek was .2 hours shorter at 42.8 hours.

From February 1987 to February 1988, nonagricultural wage and salary employment increased 20,800. The growth was concentrated in the nonmanufacturing sector, with significant gains in services, retail trade, construction, and finance, insurance, and real estate. The manufacturing workforce advanced 2,400 over the period due primarily to expansion in fabricated metal products and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

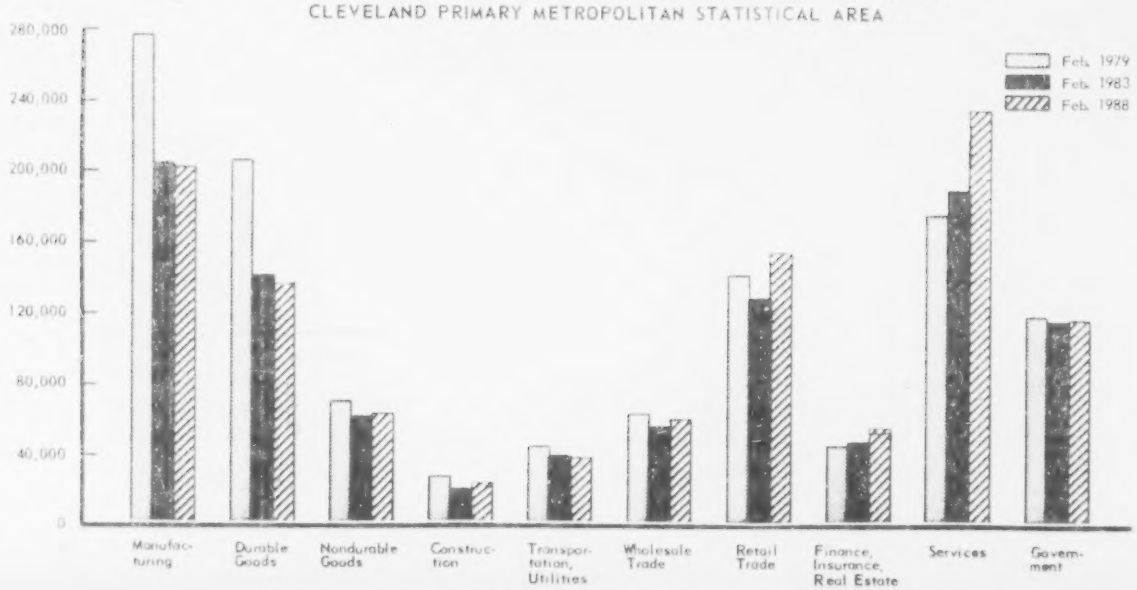


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
915.8	847.1	68.7	7.5	January	867.1	199.9	127.7	503.84	43.1	11.69
919.3	845.9	73.4	8.0	February	868.5	199.6	127.5	493.64	42.3	11.67
909.1	845.7	63.4	7.0	March	871.3	199.3	127.6	498.07	42.9	11.61
916.9	858.8	58.1	6.3	April	880.1	199.4	127.9	494.89	42.7	11.59
925.3	867.2	58.0	6.3	May	889.5	199.9	127.6	493.19	42.7	11.55
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
929.0	870.5	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
INA	INA	INA	INA	February	889.4	202.0	130.1	498.19	42.8	11.64

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	889.4	889.8	868.5	- .4	20.8
MANUFACTURING	202.0	202.0	199.6	.0	2.4
Durable Goods[e]	136.9	136.9	136.4	.0	.5
Primary metal industries	20.9	21.1	20.8	- .1	.1
Iron and steel foundries	5.2	5.3	5.2	.0	.0
Fabricated metal products	33.0	33.1	31.5	- .1	1.4
Fabricated structural metal products	4.1	4.3	3.6	- .2	.4
Screw machine products, bolts, etc.	4.8	4.8	4.6	.0	.2
Metal forgings and stampings	11.7	11.7	11.1	.0	.6
Machinery, except electrical	28.9	28.9	29.1	.1	- .2
Construction and related machinery	2.6	2.6	2.6	.0	.1
Metalworking machinery	9.6	9.6	9.7	.0	- .1
Special industry machinery	2.5	2.5	2.9	.0	- .4
General industrial machinery	3.0	3.0	3.0	.0	.1
Electric and electronic equipment	18.0	17.8	18.2	.2	- .2
Electrical industrial apparatus	6.1	6.1	6.1	.0	.0
Transportation equipment	19.0	19.1	19.6	- .1	- .7
Motor vehicles and equipment	11.9	12.0	12.4	- .1	- .5
Instruments and related products	6.7	6.6	6.8	.1	- .2
Measuring and controlling devices	4.3	4.2	4.2	.1	.1
Nondurable Goods[f]	65.1	65.1	63.2	.1	1.9
Food and kindred products	7.0	7.1	6.8	.0	.2
Apparel and other textile products	3.9	3.9	4.1	.0	- .1
Paper and allied products	5.7	5.7	5.5	.0	.2
Printing and publishing	16.3	16.2	15.9	.1	.4
Chemicals and allied products	14.9	15.0	14.2	.0	.7
Rubber and misc. plastics products	12.3	12.3	11.9	.1	.5
NONMANUFACTURING[g]	687.4	687.8	669.0	- .5	18.4
CONSTRUCTION	25.1	25.9	23.2	- .8	1.9
TRANSPORTATION AND PUBLIC UTILITIES	39.6	39.7	40.4	- .1	- .8
Trucking and warehousing	11.7	11.7	11.1	.0	.5
Communication, electric, gas services	17.3	17.3	18.6	.0	- 1.3
WHOLESALE TRADE	60.1	60.2	60.1	.0	.1
Wholesale trade-durable goods	41.3	41.4	41.7	- .1	- .4
RETAIL TRADE	153.9	155.3	149.0	- 1.4	4.9
General merchandise stores	20.6	21.7	20.6	- 1.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	55.2	55.2	53.3	.0	1.9
Banking	13.3	13.4	13.2	- .1	.1
Credit agencies other than banks	8.7	8.7	8.5	.0	.1
Insurance carriers	13.9	13.8	13.2	.1	.6
SERVICES	235.2	233.8	225.7	1.3	9.5
Business services	53.3	53.2	50.4	.2	2.9
Amusement and recreation services	6.0	6.1	6.1	- .1	.0
Health services	76.0	75.7	73.9	.2	2.1
Hospitals	43.0	43.0	41.6	.1	1.4
GOVERNMENT	117.3	116.8	116.2	.5	1.1
Federal government	20.6	20.5	20.3	.0	.2
State government	8.1	8.0	8.3	.1	- .2
State government education[i]	3.3	3.0	3.3	.3	.0
State government, except education	4.8	5.1	5.0	- .2	- .2
Local government	88.6	88.2	87.6	.4	1.1
Local government education	45.5	44.9	44.4	.6	1.1
Local government, except education	43.1	43.3	43.1	- .2	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

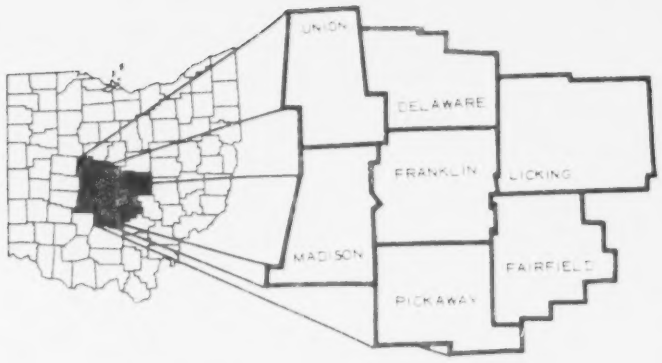
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$498.19	$503.53	$493.64	42.8	43.0	42.3	$11.64	$11.71	$11.67
Durable Goods[e]	534.45	540.85	529.76	43.7	43.9	43.0	12.23	12.32	12.32
Primary metal industries	577.66	602.36	639.85	45.2	46.3	45.9	12.78	13.01	13.94
Iron and steel foundries	797.79	898.39	856.80	46.6	50.9	50.4	17.12	17.65	17.00
Fabricated metal products	553.04	554.03	527.66	44.6	44.5	43.5	12.40	12.45	12.13
Fabricated structural metal products	389.50	381.74	370.00	40.7	39.6	40.0	9.57	9.64	9.25
Screw machine products, bolts, etc.	511.71	522.47	457.10	46.1	46.9	42.8	11.10	11.14	10.68
Metal forgings and stampings	703.55	706.80	685.88	46.5	46.5	46.5	15.13	15.20	14.75
Machinery, except electrical	491.48	481.80	459.79	42.7	42.3	41.2	11.51	11.39	11.16
Construction and related machinery	419.53	440.82	377.04	45.9	47.4	41.8	9.14	9.30	9.02
Metalworking machinery	425.20	443.81	407.78	40.0	41.4	39.9	10.63	10.72	10.22
Special industry machinery	494.62	483.44	461.23	41.6	40.9	38.5	11.89	11.82	11.98
General industrial machinery	503.70	495.03	455.28	43.8	43.5	42.0	11.50	11.38	10.84
Electric and electronic equipment	451.31	453.23	432.80	42.1	42.2	40.6	10.72	10.74	10.66
Electrical industrial apparatus	493.54	489.94	458.56	42.4	42.2	41.2	11.64	11.61	11.13
Transportation equipment	694.33	711.16	701.50	45.5	46.0	46.0	15.26	15.46	15.25
Motor vehicles and equipment	758.18	780.47	735.08	45.4	46.1	46.0	16.70	16.93	15.98
Instruments and related products	405.04	407.97	394.15	41.8	41.8	41.1	9.69	9.76	9.59
Measuring and controlling devices	420.25	430.73	395.81	41.0	41.9	39.9	10.25	10.28	9.92
Nondurable Goods[f]	413.11	416.97	406.81	40.7	41.0	40.6	10.15	10.17	10.02
Food and kindred products	378.98	381.71	388.88	41.6	41.0	42.5	9.11	9.31	9.15
Apparel and other textile products	332.29	337.74	314.73	39.7	40.4	39.0	8.37	8.36	8.07
Paper and allied products	465.21	476.43	465.19	42.1	42.5	42.6	11.05	11.21	10.92
Printing and publishing	399.24	389.24	405.70	37.7	37.0	37.6	10.59	10.52	10.79
Chemicals and allied products	508.64	515.38	486.68	42.6	43.2	42.1	11.94	11.93	11.56
Rubber and misc. plastics products	372.20	384.88	370.86	42.2	43.1	42.0	8.82	8.93	8.83
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	571.26	583.02	548.73	40.4	41.0	40.2	14.14	14.22	13.65
WHOLESALE TRADE	400.67	400.28	391.00	38.6	38.9	39.1	10.38	10.29	10.00
RETAIL TRADE[h]	180.02	180.29	177.18	27.4	27.4	27.3	6.57	6.58	6.49
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	297.34	301.26	287.97	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	339.30	341.17	334.95	31.1	31.3	32.3	10.91	10.90	10.37

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	4,694	4,871	7,812
Active File of Job Seekers	63,093	61,325	90,798
Referrals to Jobs	1,679	1,681	1,960
Placements	278	285	334
Job Openings Received	1,054	904	837
Job Openings Unfilled	2,322	2,205	1,662
Unemployment Insurance Program			
Initial Claims	7,680	11,243	7,959
Continued Claims	86,928	81,615	86,799
First Payments	5,495	6,166	5,196
Last Payments	966	1,138	1,182
Weeks Compensated	67,765	64,489	73,332
Benefits Paid	$10,553,275	$9,736,382	$11,115,077
Average Weekly Payment	$158.04	$153.61	$153.88

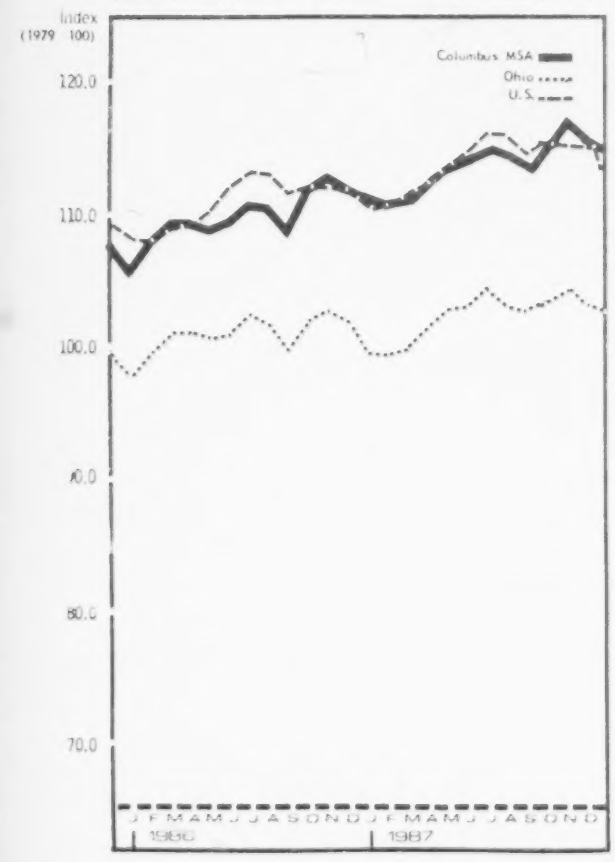
COLUMBUS
METROPOLITAN STATISTICAL AREA



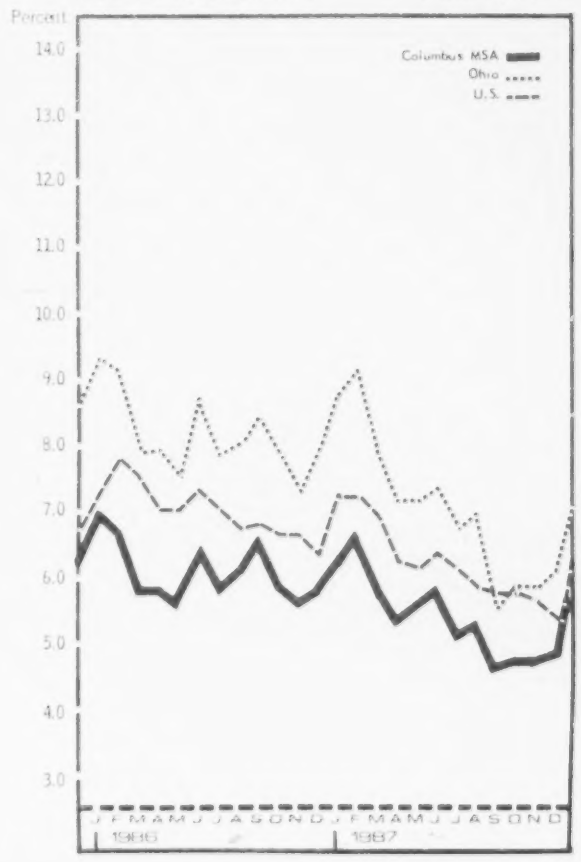
Total nonfarm employment in the Columbus metropolitan area gained 1,300 jobs since January, to 663,600 in February. Although seasonal reductions were noted in retail trade, nonmanufacturing employment advanced 1,900. Noteworthy improvements occurred in services and state and local schools and colleges. Reductions in fabricated metal products and electric and electronic equipment helped lower manufacturing employment 500 over the month, to 101,500. Production workers averaged $11.47 per hour, up $.15 from January. Their average workweek was slightly longer at 41.5 hours.

Nonagricultural wage and salary employment rose 21,800 from February 1987 to February 1988. Although nearly all nonmanufacturing industries expanded during the period, primary growth sectors were services and retail trade. Manufacturing employment decreased 1,700. Scattered growth in nondurable-goods industries was more than offset by declines in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



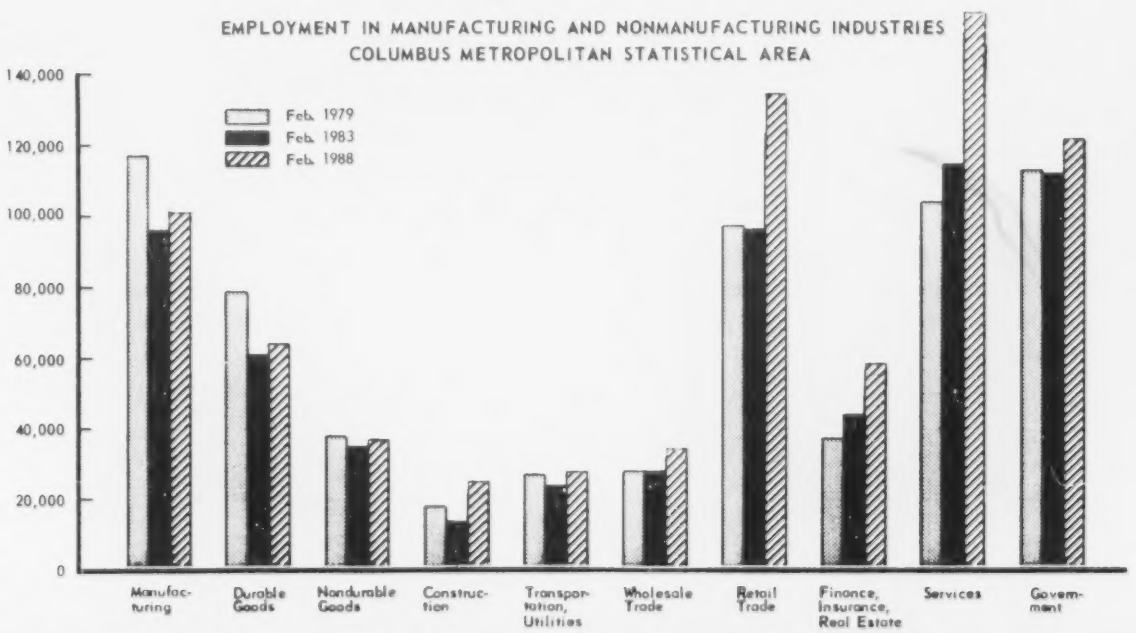
UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
686.3	643.1	43.2	6.3	January	642.1	104.0	69.2	472.15	41.2	11.46
685.8	639.8	46.0	6.7	February	641.9	103.2	68.4	463.81	40.9	11.34
682.4	643.0	39.4	5.8	March	647.1	103.4	68.6	477.47	41.7	11.45
687.4	650.8	36.6	5.3	April	650.6	103.3	68.3	466.49	41.1	11.35
696.1	657.1	39.1	5.6	May	657.2	103.4	68.4	474.24	41.6	11.40
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
702.0	662.3	39.7	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
INA	INA	INA	INA	February	663.6	101.5	66.5	476.01	41.5	11.47

INA - information not available



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	663.6	662.3	641.9	1.3	21.8
MANUFACTURING	101.5	102.1	103.2	- .5	- 1.7
Durable Goods[e]	64.2	64.4	66.9	- .2	- 2.7
Stone, clay, and glass products	10.1	9.9	10.5	.2	- .4
Glass and glassware, pressed or blown.	3.8	3.6	4.2	.2	- .4
Fabricated metal products	9.2	9.5	9.4	- .3	- .2
Fabricated structural metal products	2.9	2.9	2.7	.0	.1
Machinery, except electrical	9.2	9.2	9.1	.0	.1
Electric and electronic equipment	10.8	11.0	11.0	- .3	- .2
Transportation equipment	13.1	12.9	15.4	.2	- 2.3
Instruments and related products	4.2	4.2	4.1	.0	.1
Nondurable Goods[f]	37.4	37.7	36.3	- .3	1.0
Food and kindred products	10.3	10.5	9.9	- .1	.4
Printing and publishing	10.2	10.3	10.0	- .1	.2
Chemicals and allied products	6.7	6.7	6.7	.0	.0
Rubber and misc. plastics products	5.4	5.4	5.2	.0	.2
NONMANUFACTURING[g]	562.1	560.2	538.6	1.9	23.5
CONSTRUCTION	25.6	25.9	23.0	- .3	2.6
TRANSPORTATION AND PUBLIC UTILITIES	27.9	27.8	27.2	.1	.6
Trucking and warehousing	11.5	11.5	11.3	.0	.2
Communication, electric, gas services	11.6	11.6	11.6	.0	.0
WHOLESALE TRADE	34.8	34.7	33.0	.2	1.8
Wholesale trade-durable goods	22.5	22.4	21.4	.1	1.2
RETAIL TRADE	134.2	135.2	128.2	- 1.0	6.0
General merchandise stores	22.4	23.1	20.2	- .7	2.2
FINANCE, INSURANCE, AND REAL ESTATE	58.4	58.1	56.1	.3	2.4
Banking	12.0	12.0	11.3	.0	.6
Insurance carriers	23.2	23.0	22.5	.2	.6
SERVICES	157.8	156.1	150.1	1.7	7.7
Business services	35.7	35.5	34.1	.2	1.6
Health services	40.4	40.3	38.6	.1	1.8
Hospitals	17.9	17.9	17.1	- .1	.8
GOVERNMENT	122.5	121.5	120.2	1.0	2.4
Federal government	15.3	15.2	15.6	.1	- .3
State government	55.1	54.5	53.4	.6	1.7
State government education[i]	23.8	23.5	23.4	.3	.4
State government, except education	31.3	31.0	30.0	.3	1.3
Local government	52.1	51.8	51.2	.3	1.0
Local government education	32.1	31.7	30.9	.4	1.2
Local government, except education	20.0	20.1	20.3	- .1	- .3

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$476.01	$468.65	$463.81	41.5	41.4	40.9	$11.47	$11.32	$11.34
Durable Goods[e]	488.22	474.86	474.78	41.8	41.4	41.0	11.68	11.47	11.58
Stone, clay, and glass products	462.13	464.04	443.13	39.6	39.9	38.6	11.67	11.63	11.48
Glass and glassware, pressed or blown.	432.96	443.05	411.28	38.9	39.7	38.8	11.13	11.16	10.60
Fabricated metal products	503.07	498.98	492.44	40.9	40.8	40.9	12.30	12.23	12.04
Fabricated structural metal products	479.45	442.39	441.32	43.0	41.0	41.4	11.15	10.79	10.66
Machinery, except electrical	453.90	460.91	458.22	42.7	43.4	42.0	10.63	10.62	10.91
Electric and electronic equipment	452.35	458.43	437.98	40.9	41.6	39.6	11.06	11.02	11.06
Transportation equipment	631.10	568.49	562.87	45.6	43.1	43.0	13.84	13.19	13.09
Instruments and related products	403.13	396.04	423.95	39.6	38.6	41.2	10.18	10.26	10.29
Nondurable Goods[f]	450.84	456.23	440.78	40.8	41.4	40.7	11.05	11.02	10.83
Food and kindred products	433.42	437.53	438.04	39.8	40.4	40.9	10.89	10.83	10.71
Printing and publishing	519.56	536.67	486.86	38.6	40.2	37.8	13.46	13.35	12.88
Chemicals and allied products	548.66	556.41	542.30	42.4	42.9	42.6	12.94	12.97	12.73
Rubber and misc. plastics products	362.82	349.87	348.61	43.4	41.8	41.9	8.36	8.37	8.32
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	565.38	568.99	542.30	40.5	40.7	40.2	13.96	13.98	13.49
WHOLESALE TRADE	342.79	343.82	340.23	37.3	37.7	38.1	9.19	9.12	8.93
RETAIL TRADE[h]	175.06	177.72	166.04	28.1	28.3	28.0	6.23	6.28	5.93
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	260.27	259.14	258.31	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	336.78	336.78	320.76	34.4	34.4	33.8	9.79	9.79	9.49

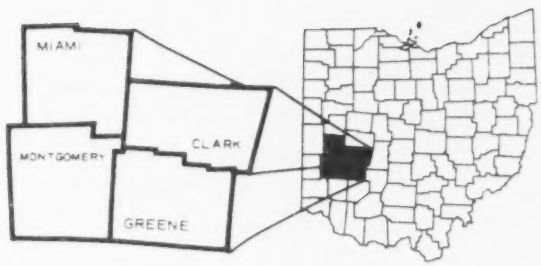
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	4,120	4,449	5,639
Active File of Job Seekers	33,598	31,742	40,238
Referrals to Jobs	2,075	1,701	2,314
Placements	563	308	514
Job Openings Received	1,081	1,197	1,295
Job Openings Unfilled	2,482	2,395	4,469
Unemployment Insurance Program			
Initial Claims	5,069	7,396	5,536
Continued Claims	53,181	51,216	53,364
First Payments	3,192	4,173	3,885
Last Payments	544	619*	533
Weeks Compensated	44,644	45,707	45,784
Benefits Paid	$7,080,238	$7,167,383	$6,864,213
Average Weekly Payment	$160.72	$159.29	$152.83

*REVISED

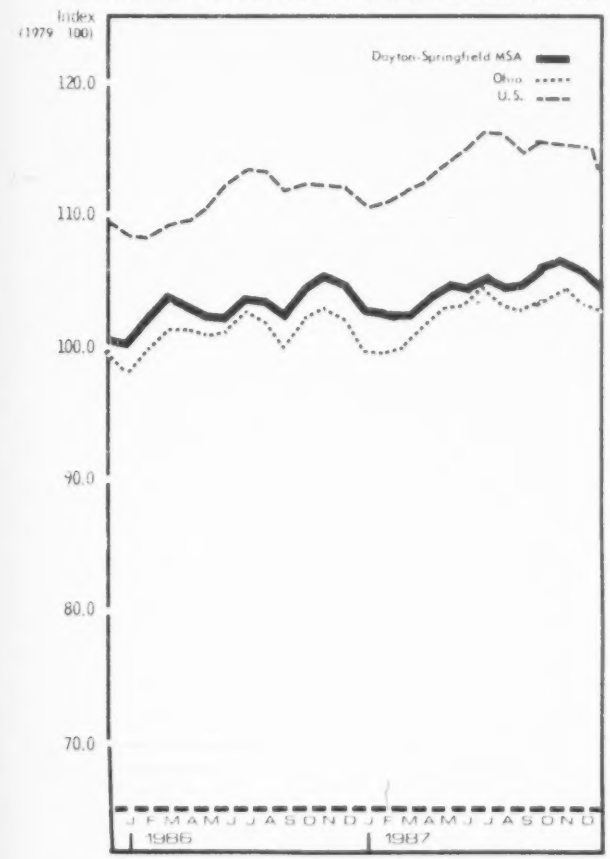
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



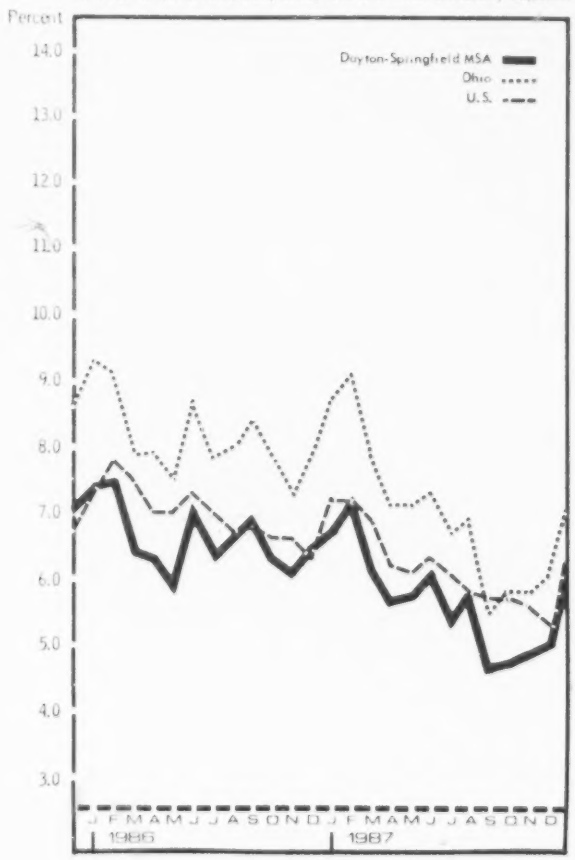
Nonfarm employment for the Dayton-Springfield area in February was 426,900, down 500 from January. Nonmanufacturing employment increased slightly as gains in services and local government offset losses in retail trade and construction. Reductions in transportation equipment and rubber and miscellaneous plastics products helped lower manufacturing employment 600, to 101,800. Production workers averaged a 42.4 hour workweek, up .2 hours from January. Their average hourly wage was $12.14, an increase of $.12.

Since February 1987, nonagricultural wage and salary employment increased 7,400. Gains in services, retail trade, and construction contributed most to the growth. Manufacturing employment declined 1,200 over the year due to losses in transportation equipment and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



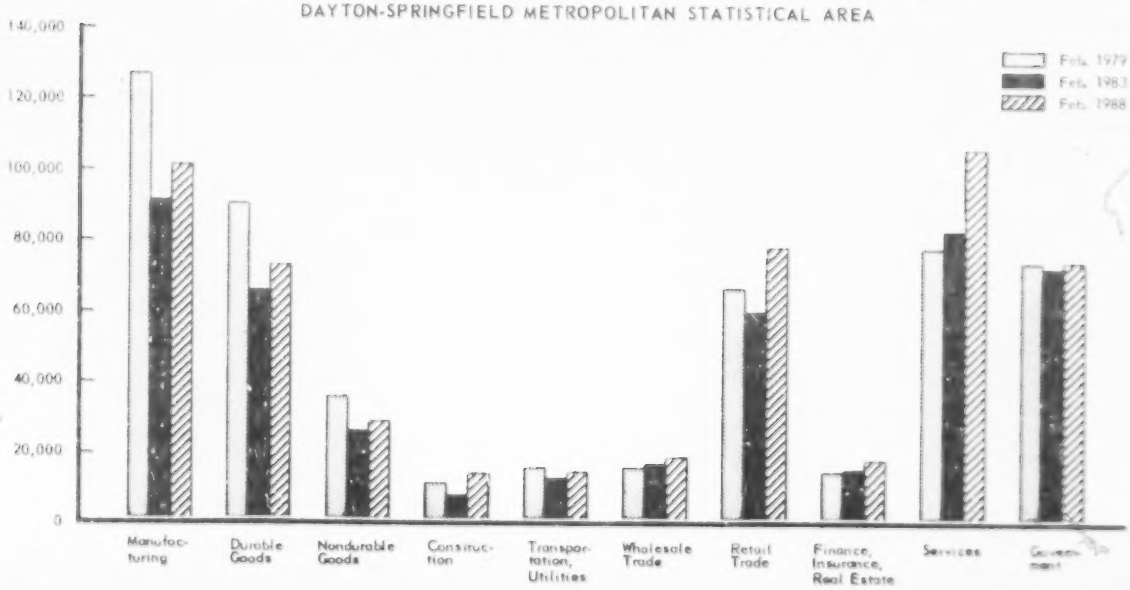
DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
458.4	427.6	30.8	6.7	January	419.2	103.9	66.9	500.22	42.0	11.91
460.1	426.7	33.5	7.3	February	419.5	103.0	66.4	505.56	42.2	11.98
455.5	427.8	27.8	6.1	March	421.9	103.3	66.4	494.15	41.7	11.85
460.8	434.8	26.0	5.6	April	426.5	103.9	67.0	486.10	41.3	11.77
464.3	437.5	26.8	5.8	May	429.3	104.0	67.0	486.04	41.4	11.74
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.0	435.4	27.6	6.0	January	427.4	102.4	65.4	507.24	42.2	12.02
INA	INA	INA	INA	February	426.9	101.8	64.9	514.74	42.4	12.14

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	426.9	427.4	419.5	- .5	7.4
MANUFACTURING	101.8	102.4	103.0	- .6	- 1.2
Durable Goods[e]	73.0	73.4	74.4	- .4	- 1.4
Fabricated metal products	8.3	8.2	8.4	.0	- .1
Machinery, except electrical	30.3	30.4	30.3	- .1	.0
Metalworking machinery	6.5	6.6	6.7	.0	- .1
General industrial machinery	2.8	2.7	2.3	.0	.4
Electric and electronic equipment	5.8	5.9	5.8	- .1	.0
Electrical industrial apparatus	3.5	3.5	3.5	.0	.0
Transportation equipment	19.6	19.8	21.0	- .2	- 1.4
Nondurable Goods[f]	28.8	29.0	28.6	- .2	.2
Food and kindred products	2.8	2.8	2.7	.0	.2
Paper and allied products	6.0	6.0	5.7	.0	.3
Printing and publishing	8.6	8.6	8.4	- .1	.2
Rubber and misc. plastics products	7.7	8.0	8.2	- .2	- .4
NONMANUFACTURING[g]	325.1	325.0	316.5	.1	8.6
CONSTRUCTION	14.8	15.3	13.6	- .5	1.2
TRANSPORTATION AND PUBLIC UTILITIES	15.1	15.1	15.1	.0	.0
Communication, electric, gas services	5.4	5.4	5.7	.0	- .3
WHOLESALE TRADE	18.6	18.6	18.1	.0	.5
Wholesale trade-durable goods	12.4	12.4	12.0	.0	.3
RETAIL TRADE	78.0	78.9	75.2	- .9	2.8
General merchandise stores	12.1	12.6	11.8	- .5	.3
FINANCE, INSURANCE, AND REAL ESTATE	17.7	17.7	17.4	.0	.3
Banking	4.2	4.1	4.3	.0	- .2
Credit agencies other than banks	4.8	4.8	4.5	.0	.3
Insurance carriers	2.7	2.7	3.0	- .1	- .3
SERVICES	106.3	105.4	102.0	.8	4.3
Business services	26.2	25.9	24.5	.3	1.7
Health services	35.8	35.9	35.2	- .1	.7
Hospitals	18.4	18.5	18.5	.0	- .1
Educational services	8.6	8.1	8.3	.4	.3
GOVERNMENT	74.2	73.6	74.8	.6	- .6
Federal government	28.1	28.1	27.6	.0	.4
State government	7.5	7.3	7.1	.2	.4
State government education[1]	4.6	4.4	4.4	.2	.2
State government, except education	2.9	2.9	2.8	.0	.2
Local government	38.6	38.2	40.0	.5	- 1.4
Local government education	24.0	23.7	25.7	.3	- 1.7
Local government, except education	14.6	14.5	14.3	.1	.3

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

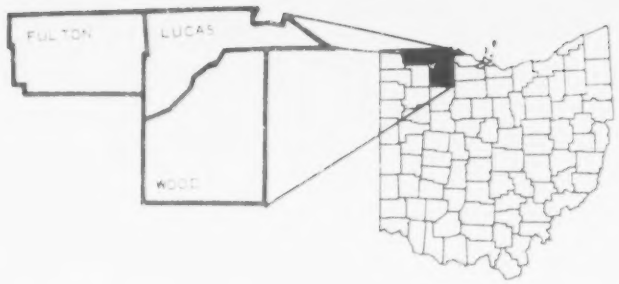
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$514.74	$507.24	$505.56	42.4	42.2	42.2	$12.14	$12.02	$11.98
Durable Goods[e]	518.64	513.57	516.06	42.2	42.2	42.3	12.29	12.17	12.20
Fabricated metal products	409.53	403.12	377.87	43.8	43.3	40.5	9.35	9.31	9.33
Machinery, except electrical	554.70	553.41	553.84	42.9	43.0	42.9	12.93	12.87	12.91
Metalworking machinery	558.76	551.30	508.37	45.8	45.3	42.9	12.20	12.17	11.85
General industrial machinery	438.29	436.48	394.75	41.0	41.1	38.4	10.69	10.62	10.28
Electric and electronic equipment	441.19	454.02	413.76	44.7	46.0	43.1	9.87	9.87	9.60
Electrical industrial apparatus	509.64	546.61	491.51	46.5	49.2	45.3	10.96	11.11	10.85
Transportation equipment	624.58	608.28	614.38	41.5	41.1	42.4	15.05	14.80	14.49
Nondurable Goods[f]	499.16	488.78	473.59	42.7	42.1	41.8	11.69	11.61	11.33
Food and kindred products	352.46	344.35	355.75	40.7	40.8	42.2	8.66	8.44	8.43
Paper and allied products	516.20	513.47	496.96	46.8	46.3	46.1	11.03	11.09	10.78
Printing and publishing	424.21	421.37	422.14	38.6	38.8	38.8	10.99	10.86	10.88
Rubber and misc. plastics products	647.09	611.48	570.04	43.4	41.4	40.4	14.91	14.77	14.11
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	534.76	538.00	512.99	39.7	40.0	39.1	13.47	13.45	13.12
WHOLESALE TRADE	420.49	409.94	399.37	40.2	39.8	40.3	10.46	10.30	9.91
RETAIL TRADE[h]	156.48	156.02	152.01	27.5	26.9	27.0	5.69	5.80	5.63
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	370.91	371.98	360.51	34.6	34.7	34.4	10.72	10.72	10.48

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,628	2,375	2,855
Active File of Job Seekers	20,449	19,360	25,685
Referrals to Jobs	1,027	853	1,312
Placements	251	165	304
Job Openings Received	683	559	723
Job Openings Unfilled	2,230	2,041	1,518
Unemployment Insurance Program			
Initial Claims	3,173	4,679	3,236
Continued Claims	36,329	34,438	34,746
First Payments	2,607	2,569	2,722
Last Payments	381	394	364
Weeks Compensated	32,737	27,932	31,081
Benefits Paid	$4,817,885	$3,978,584	$4,403,600
Average Weekly Payment	$149.63	$145.59	$144.19

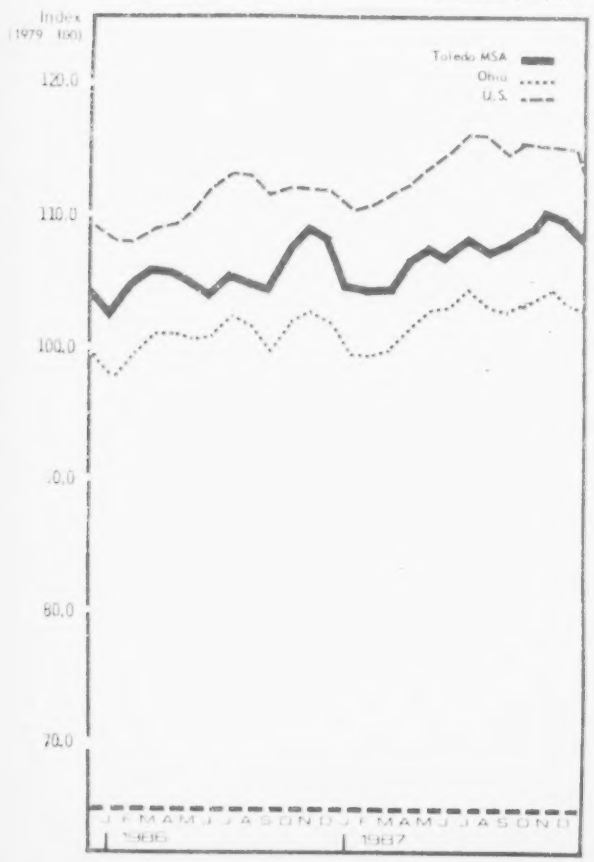
TOLEDO METROPOLITAN STATISTICAL AREA



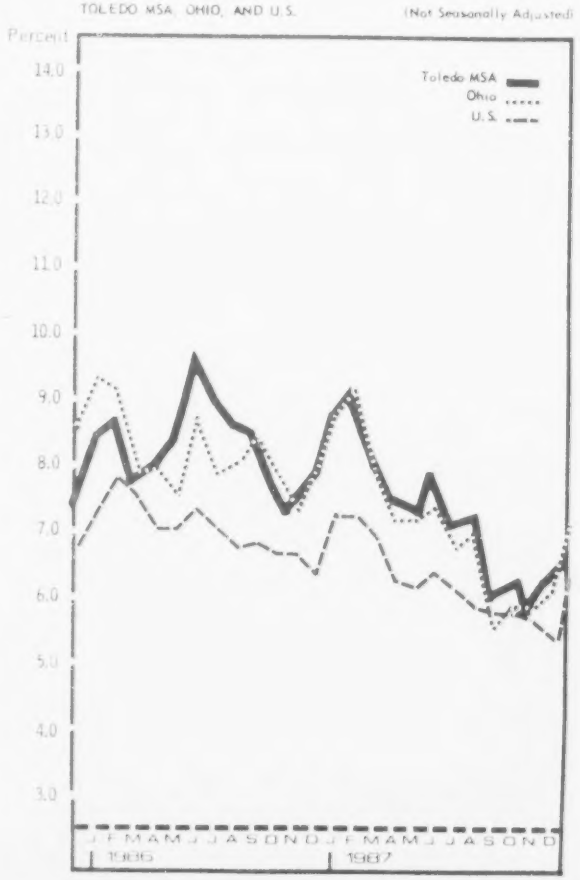
The Toledo metropolitan area nonagricultural wage and salary employment level was relatively unchanged from January, at 281,600 in February. Increases in state government education counterbalanced seasonal decreases in retail trade and construction. Moderate losses in durable- and nondurable-goods industries lowered manufacturing employment slightly, to 61,900. Factory workers averaged a 41.5 hour workweek, 2.2 hours shorter than last month. Their average earnings decreased $.26, to $12.84 per hour.

Nonfarm employment since February 1987 has advanced 10,000, with noteworthy improvements in services, retail trade, and construction. Manufacturing employment reflected modest growth as gains in nondurable-goods industries overshadowed scattered losses in durable goods, especially in motor vehicles and equipment and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

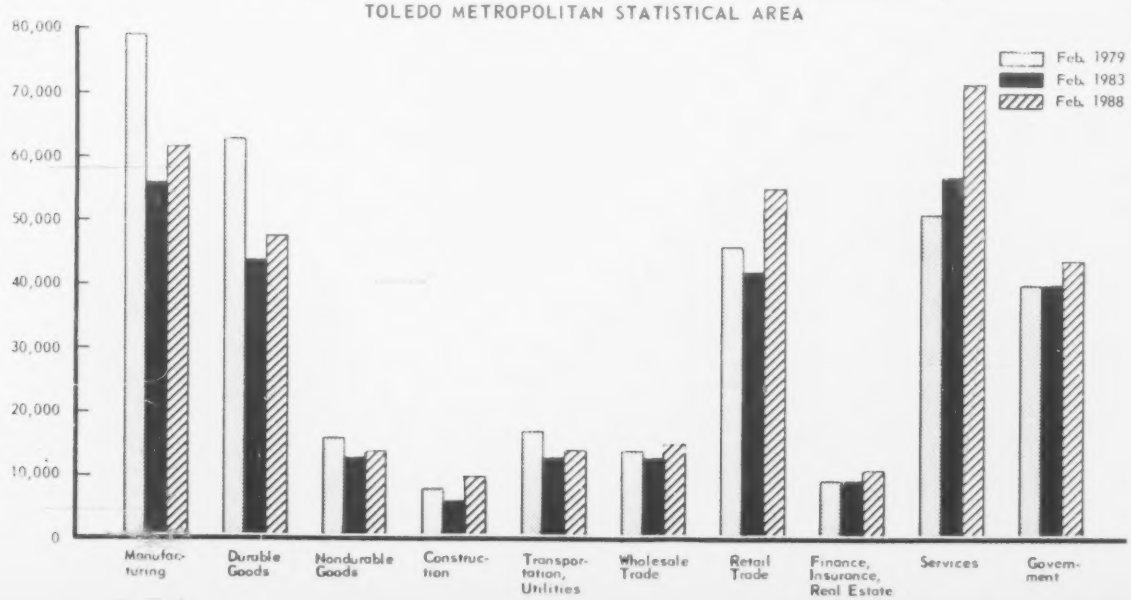


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
305.5	278.7	26.8	8.8	January	271.2	61.9	43.7	554.63	43.5	12.75
306.1	278.0	28.1	9.2	February	271.5	61.8	43.4	547.78	43.2	12.68
303.4	279.0	24.4	8.0	March	273.4	61.9	43.6	543.56	42.8	12.70
307.9	284.8	23.0	7.5	April	277.4	62.0	43.8	537.21	42.4	12.67
310.3	287.5	22.8	7.3	May	280.2	61.8	43.4	532.55	41.9	12.71
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.1	288.7	20.3	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
INA	INA	INA	INA	February	281.6	61.9	44.2	532.86	41.5	12.84

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	281.6	281.5	271.5	.0	10.0
MANUFACTURING	61.9	62.2	61.8	- .3	.1
Durable Goods[e]	47.8	47.9	48.2	.0	- .4
Stone, clay, and glass products	8.2	8.1	8.0	.0	.1
Primary metal industries	3.5	3.4	3.6	.1	- .1
Fabricated metal products	7.6	7.5	7.7	.1	- .1
Metal forgings and stampings	3.3	3.3	3.4	.0	- .2
Machinery, except electrical	6.1	6.1	6.0	.1	.1
Electric and electronic equipment	2.3	2.4	2.6	- .1	- .3
Transportation equipment	15.5	15.6	16.0	- .1	- .5
Motor vehicles and equipment	14.6	14.7	15.1	- .1	- .5
Nondurable Goods[f]	14.1	14.3	13.6	- .2	.5
Food and kindred products	3.6	3.7	3.4	- .1	.3
Rubber and misc. plastics products	3.1	3.0	2.8	.0	.2
NONMANUFACTURING[g]	219.7	219.3	209.7	.3	9.9
CONSTRUCTION	10.1	10.4	8.7	- .3	1.4
TRANSPORTATION AND PUBLIC UTILITIES	13.4	13.4	13.0	.0	.3
Trucking and warehousing	5.3	5.3	5.1	.0	.2
Communication, electric, gas services	5.0	5.0	5.0	.0	.0
WHOLESALE TRADE	14.9	14.9	14.2	.1	.7
Wholesale trade-durable goods	9.8	9.8	9.5	.0	.3
RETAIL TRADE	54.9	55.6	51.9	- .7	3.0
General merchandise stores	7.2	7.6	7.6	- .4	- .4
FINANCE, INSURANCE, AND REAL ESTATE	11.2	11.2	11.1	- .1	.1
Banking	3.6	3.6	3.4	.0	.1
SERVICES	71.6	71.1	67.8	.5	3.8
Business services	15.1	15.0	13.5	.1	1.6
Health services	27.1	27.0	26.7	.0	.4
Hospitals	15.2	15.2	15.1	.1	.1
GOVERNMENT	43.5	42.5	42.8	1.0	.7
State government	16.2	15.3	16.0	.9	.1
State government education[1]	12.1	11.2	12.1	.9	.0
State government, except education	4.1	4.1	4.0	.0	.1
Local government	24.6	24.5	24.1	.1	.5
Local government education	14.3	14.2	14.0	.1	.3
Local government, except education	10.3	10.3	10.1	.0	.2

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

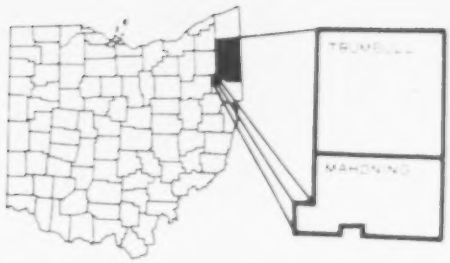
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$532.86	$572.47	$547.78	41.5	43.7	43.2	$12.84	$13.10	$12.68
Durable Goods[e]	555.27	597.52	569.42	41.5	44.0	43.5	13.38	13.58	13.09
Stone, clay, and glass products	506.18	510.94	527.94	39.7	40.2	41.9	12.75	12.71	12.60
Primary metal industries	474.88	483.75	525.32	42.4	43.0	46.0	11.20	11.25	11.42
Fabricated metal products	558.99	601.81	555.66	43.4	46.4	44.1	12.88	12.97	12.60
Metal forgings and stampings	726.33	769.20	696.14	46.5	48.9	47.1	15.62	15.73	14.78
Machinery, except electrical	522.54	520.80	486.78	43.4	43.4	42.7	12.04	12.00	11.40
Electric and electronic equipment	558.57	561.92	538.06	43.3	43.9	42.3	12.90	12.80	12.72
Transportation equipment	632.79	734.95	665.76	39.5	45.2	43.8	16.02	16.26	15.20
Motor vehicles and equipment	635.52	741.56	669.48	39.4	45.3	43.9	16.13	16.37	15.25
Nondurable Goods[f]	450.28	479.40	470.11	41.5	42.5	42.2	10.85	11.28	11.14
Food and kindred products	535.68	564.89	607.35	43.2	45.3	45.7	12.40	12.47	13.29
Rubber and misc. plastics products	348.18	347.33	317.19	42.0	41.3	39.5	8.29	8.41	8.03
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	583.20	598.01	570.56	40.5	41.1	40.9	14.40	14.55	13.95
WHOLESALE TRADE	365.94	370.37	345.03	38.0	38.5	37.1	9.63	9.62	9.30
RETAIL TRADE[h]	156.50	159.57	156.52	28.3	28.7	28.0	5.53	5.56	5.59

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,130	1,997	2,323
Active File of Job Seekers	18,333	17,188	22,275
Referrals to Jobs	1,005	797	788
Placements	256	239	180
Job Openings Received	528	411	372
Job Openings Unfilled	666	611	717
Unemployment Insurance Program			
Initial Claims	4,623	5,438	4,497
Continued Claims	30,036	28,104	32,382
First Payments	2,163	2,075	2,301
Last Payments	285	351	393
Weeks Compensated	23,806	21,706	27,520
Benefits Paid	$3,591,481	$3,202,359	$4,051,210
Average Weekly Payment	$153.61	$150.97	$150.61

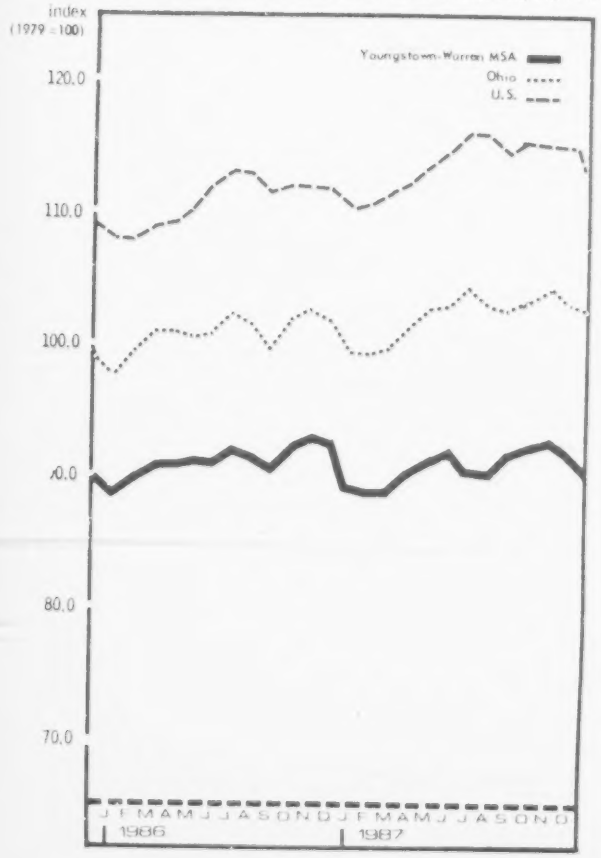
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



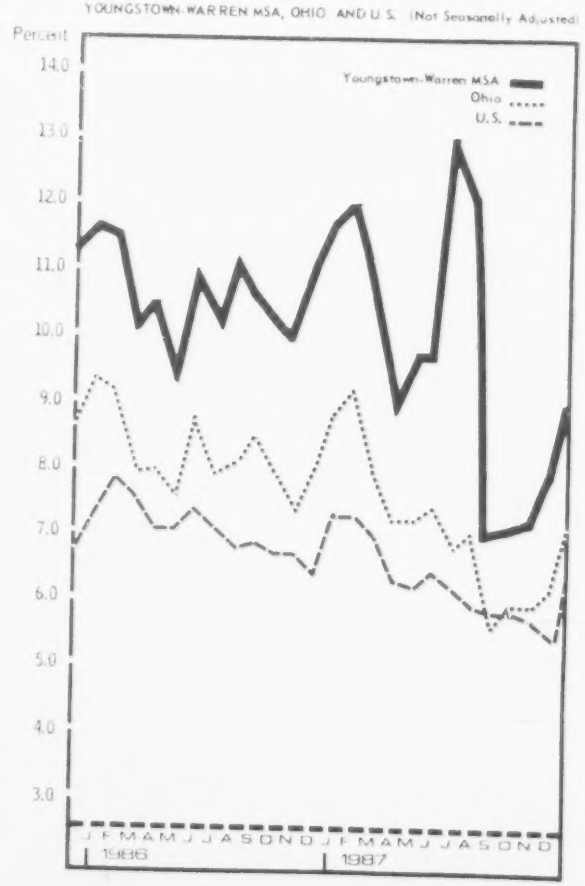
Youngstown-Warren metropolitan area nonfarm employment increased 500 from January, to 187,800 in February. Manufacturing employment showed a slight improvement, at 49,200, due to more jobs in primary metal industries. Gains in state and local schools and colleges more than offset seasonal losses in retail trade and construction, raising nonmanufacturing employment 400 over the month. Factory production workers averaged $13.38 per hour, up $.04 from January. They worked .3 hours less, for an average workweek of 41.5 hours.

Total nonagricultural employment advanced 3,500 since February 1987. The growth occurred in nonmanufacturing industries, especially in retail trade, services, wholesale trade, and construction. Manufacturing employment decreased slightly as a reduction in transportation equipment overshadowed gains in nondurable goods.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



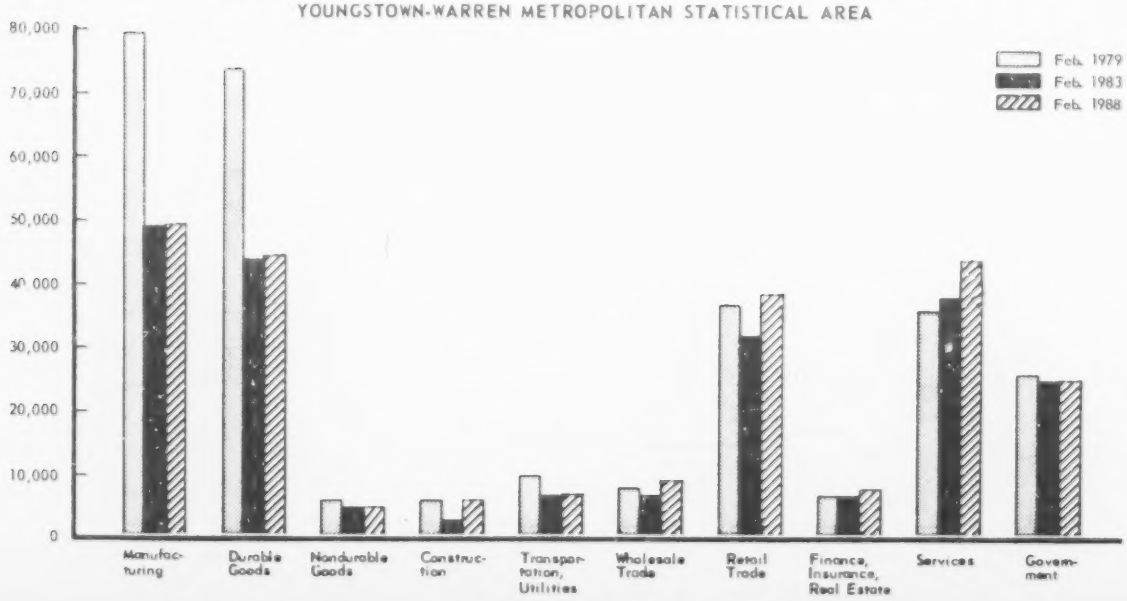
YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
221.7	195.8	25.9	11.7	January	183.9	49.2	36.9	577.37	42.8	13.49
222.2	195.5	26.8	12.0	February	184.3	49.3	36.9	580.13	43.1	13.46
217.9	195.5	22.4	10.3	March	185.2	49.6	37.2	579.79	43.3	13.39
218.4	199.1	19.3	8.8	April	187.4	49.7	37.4	571.94	43.1	13.27
223.0	201.5	21.5	9.7	May	189.6	49.1	36.8	565.78	42.7	13.25
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.7	199.1	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
INA	INA	INA	INA	February	187.8	49.2	37.4	555.27	41.5	13.38

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	187.8	187.3	184.3	.5	3.5
MANUFACTURING	49.2	49.1	49.3	.1	- .1
Durable Goods[e]	44.1	43.8	44.4	.2	- .3
Primary metal industries	18.4	18.0	18.4	.3	.0
Blast furnace and basic steel products	5.6	5.6	5.7	.1	- .1
Fabricated metal products	7.4	7.4	7.2	.0	.1
Machinery, except electrical	3.7	3.7	3.7	.0	.0
Electric and electronic equipment	2.2	2.2	2.3	.0	- .1
Transportation equipment	9.5	9.5	9.8	.0	- .3
Nondurable Goods[f]	5.1	5.3	5.0	- .1	.2
NONMANUFACTURING[g]	138.5	138.2	134.9	.4	3.6
CONSTRUCTION	6.0	6.2	5.4	- .3	.6
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.5	7.5	.0	- .1
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	9.7	9.8	8.9	- .1	.7
Wholesale trade-durable goods	6.1	6.1	5.7	- .1	.4
RETAIL TRADE	38.5	38.7	37.1	- .2	1.4
General merchandise stores	5.1	5.4	5.3	- .3	- .2
FINANCE, INSURANCE, AND REAL ESTATE	8.1	8.2	8.0	- .1	.0
Banking	2.8	2.8	2.8	.0	.0
SERVICES	43.7	43.3	42.6	.4	1.1
Health services	19.4	19.4	19.0	.0	.4
Hospitals	10.0	10.0	10.0	.0	.0
GOVERNMENT	24.7	24.0	24.7	.7	- .1
State government	4.3	3.9	4.3	.4	.0
State government education[h]	2.8	2.4	2.9	.4	- .1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.3	17.9	18.3	.3	.0
Local government education	12.0	11.8	12.0	.2	.0
Local government, except education	6.3	6.2	6.3	.1	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$555.27	$557.61	$580.13	41.5	41.8	43.1	$13.38	$13.34	$13.46
Durable Goods[e]	570.15	571.20	598.05	41.8	42.0	43.4	13.64	13.60	13.78
Primary metal industries	606.53	606.94	612.47	41.6	41.6	42.8	14.58	14.59	14.31
Blast furnace and basic steel products	657.05	604.78	638.68	47.1	44.6	45.2	13.95	13.56	14.13
Fabricated metal products	540.88	542.75	583.62	41.1	41.4	42.6	13.16	13.11	13.70
Machinery, except electrical	490.49	505.61	482.47	42.8	43.4	41.7	11.46	11.65	11.57
Electric and electronic equipment	452.48	462.87	411.95	40.4	41.7	38.5	11.20	11.10	10.70
Transportation equipment	628.73	627.88	706.88	42.8	42.8	47.0	14.69	14.67	15.04
Nondurable Goods[f]	402.48	406.36	396.59	39.0	39.3	40.1	10.32	10.34	9.89
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	537.20	537.77	522.72	39.5	39.6	39.6	13.60	13.58	13.20
WHOLESALE TRADE	350.21	345.92	340.10	38.4	37.6	38.3	9.12	9.20	8.88
RETAIL TRADE[h]	171.57	171.03	170.82	28.5	28.6	29.2	6.02	5.98	5.85

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,048	2,174	1,862
Active File of Job Seekers	16,911	15,946	28,315
Referrals to Jobs	1,364	1,633	1,010
Placements	247	419	202
Job Openings Received	500	576	339
Job Openings Unfilled	599	419	494
Unemployment Insurance Program			
Initial Claims	4,013	5,833	4,458
Continued Claims	27,137	26,119	34,223
First Payments	1,868	2,328	2,413
Last Payments	276	334	360
Weeks Compensated	23,857	22,765	30,494
Benefits Paid	$3,525,554	$3,198,729	$4,505,998
Average Weekly Payment	$150.60	$144.01	$151.97

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	February 1988	January 1988	February 1987
New Applicants	38,003	40,602	42,617
Active File of Job Seekers	292,815	278,099	383,875
Counseling Interviews	1,084	1,069	2,004
Tests Administered	4,169	6,835	4,419
General Aptitude Tests	348	543	405
Proficiency Tests	413	469	611
Specific Aptitude Tests	1,110	1,688	1,185
Referrals to Jobs	20,640	20,091	20,128
Placements	4,802	3,603	4,529
Job Openings Received	9,454	8,399	8,456
Job Openings Unfilled	16,919	16,301	17,442

Selected Unemployment Insurance Activities

	February 1988	January 1988	February 1987
Initial Claims	56,872	87,845	60,049
Continued Claims	577,761	549,700	591,587
First Payments	37,532	44,622	39,802
Last Payments	5,717	6,257*	7,244
Average Weekly Claimants	135,868	132,314	145,725
Average Weekly Benefit Recipients	119,232	101,593	128,508
Weeks Compensated	476,928	449,708	514,031
Benefits Paid	$73,408,382	$67,287,861	$76,217,472
Average Weekly Payment	$156.82	$153.48	$151.53
Continued Claims for Survey Week	140,204	135,584	146,359
Insured Unemployment Rate	3.2	3.1	3.5
Net Contributions	$76,085,364	$24,396,020	$69,602,078
Active Employer Accounts	197,625	198,003	194,258

*REVISED

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

If you do NOT wish to continue receiving this publication, please check here ☐ and return this cover to the address below. If your address has changed, please indicate change and return this cover to the address below.

A WORKING OHIO
the heart of it all

Ohio Bureau Of Employment Services
Labor Market Information Division
145 South Front Street
P.O. Box 1618
Columbus, Ohio 43216

First-Class Mail
Postage and Fees Paid
Employment Security Mail
Lab 441

OFFICIAL BUSINESS
Penalty for private use, $300

LMI/F
STATISTICAL REFERENCE INDEX
CONGRESSIONAL INFO. SERVICE
4520 EAST-WAY HWY.
BETHESDA MD 20814